

DURO CHROME

Leadership in Quality Hand Tools since 1917





DURO·CHROME

**America's BIG, COMPLETE Hand Tool line offering...
Advanced Design...Superb Quality...Unbeatable Value!**

The DURO CHROME Hand Tools shown above are just a small fraction of the entire line of more than 1800 individual tools. Expertly designed, beautifully finished, ruggedly constructed—they look good, feel good and represent the ultimate in practical utility and **FINEST QUALITY**.

For more than 55 years, DURO CHROME has maintained its tradition of leadership in the hand tool industry by providing the "best tools money can buy!" Here's why:

DESIGN . . . All DURO CHROME Tools are carefully created by skilled engineers who understand "end use" and design tools to do their specific jobs with greatest accuracy and efficiency.

DURABILITY . . . DURO CHROME Tools are manufactured to the most rigid standards of perfection. Only the finest steels are used. Each design has been tested for strength, checked for hardness and rechecked for stress and ruggedness under actual working conditions.

FINISH . . . DURO CHROME Tools are polished and chrome plated, to a durable, lustrous finish. Handling surfaces are specially treated with non-slip finishes.

MANUFACTURING . . . DURO CHROME Tools are manufactured in giant plants utilizing the most modern machines and production techniques to give you maximum quality at the most economical prices.

The DURO CHROME trademark on a hand tool has become recognized as a symbol of tool **SUPERIORITY**. A superiority that will be maintained in the coming years with innovative engineering, expanded productivity, manufacturing efficiencies, improved tool designs and line expansion. DURO CHROME Hand Tools are distributed by leading warehouses thruout the U.S.A. and thru major tool outlets—worldwide.

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LANG'S AUTO PARTS

2001 S. Chicago Rd., S. Chicago Heights

Guarantee

753-8000

DURO-CHROME Products are fully guaranteed against imperfections in workmanship and material, except those products indicated by a star (*) which, because of their unique design, are not guaranteed.

Free replacement will be made of any imperfect tool upon its return to our factory.

The guarantee does not apply if inspection shows that the tool has been worn out from use, or has been abused by hammering, or used on undersized nuts, or ground or design changed, or used for purposes other than that for which it was designed.

Our liability under all warranties, expressed or implied, shall be limited to the replacement or repair of our products.

**1/4"
SQ. DR.**

SOCKETS & ATTACHMENTS



4506S
4507S



4508S
to
4512S



4506
to
4516



4508T
to
4516T



4506D
to
4516D



4508TD
to
4516TD



4536



4493



4517



481



4532



4533



4570

4569

Made from **ALLOY STEEL** and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome.

†REGULAR SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.	No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
4 POINT					8 POINT				
4506S	3/16"	15/16"	4	0.13	4508S	1/4"	15/16"	4	0.13
4507S	7/32"	15/16"	4	0.13	4510S	5/16"	15/16"	4	0.25
6 POINT					4512S	3/8"	15/16"	4	0.25
4506	3/16"	15/16"	6	0.13	12 POINT				
4507	7/32"	15/16"	6	0.13	4508T	1/4"	15/16"	6	0.13
4508	1/4"	15/16"	6	0.13	4509T	9/32"	15/16"	6	0.13
4509	9/32"	15/16"	6	0.13	4510T	5/16"	15/16"	6	0.13
4510	5/16"	15/16"	6	0.13	4511T	11/32"	15/16"	6	0.13
4511	11/32"	15/16"	6	0.13	4512T	3/8"	15/16"	6	0.25
4512	3/8"	15/16"	6	0.25	4514T	7/16"	15/16"	6	0.25
4514	7/16"	15/16"	6	0.25	4516T	1/2"	15/16"	6	0.25
4516	1/2"	15/16"	6	0.25					

†DEEP SOCKETS

6 POINT					12 POINT				
4506D	3/16"	2"	6	0.31	4508TD	1/4"	2"	6	0.38
4507D	7/32"	2"	6	0.38	4509TD	9/32"	2"	6	0.39
4508D	1/4"	2"	6	0.38	4510TD	5/16"	2"	6	0.40
4509D	9/32"	2"	6	0.39	4511TD	11/32"	2"	6	0.40
4510D	5/16"	2"	6	0.40	4512TD	3/8"	2"	6	0.55
4511D	11/32"	2"	6	0.40	4514TD	7/16"	2"	6	0.63
4512D	3/8"	2"	6	0.55	4516TD	1/2"	2"	6	0.63
4514D	7/16"	2"	6	0.63					
4516D	1/2"	2"	6	0.63					

UNIVERSAL JOINT

Handy attachment for turning nuts and bolts in hard-to-reach work areas. Spring loaded friction holds drive end in desired position. Overall length 1-5/16".

†NO. 4536

STD. PKG. 3—PKG. WT. 0.13 Lb.

ADAPTOR—1/4" Female x 3/8" Male

Adapts 3/8" Square Drive Sockets for use with 1/4" Square Drive Attachments.

†NO. 481

STD. PKG. 4—PKG. WT. 0.13 Lb.

DOUBLE MALE ADAPTOR—1/4" x 3/8"

†For use with No. 4491 Reversible Ratchet to drive 3/8" square drive sockets and attachments.

NO. 4493

STD. PKG. 4—PKG. WT. 0.11 Lb.

RATCHET ADAPTOR PLUG—1/4" SQ. DRIVE

†For use with No. 4491 Reversible Ratchet. Ball and spring at each end to lock into ratchet and socket. Head is knurled for easy removal. Length 7/8".

NO. 4517

STD. PKG. 4—PKG. WT. 0.07 Lb.

EXTENSIONS

Two lengths of extension offered to meet different conditions.

†NO. 4532—3" Length

STD. PKG. 4—PKG. WT. 0.34 Lb.

†NO. 4533—6" Length

STD. PKG. 4—PKG. WT. 0.66 Lb.

FLEXIBLE EXTENSIONS

Very handy attachments to reach into areas where a regular extension cannot be used. Strong, laminated steel that flexes to desired angle, yet provides positive drive action.

†NO. 4569—6" Length

STD. PKG. 4—PKG. WT. 0.42 Lb.

†NO. 4570—4" Length

STD. PKG. 4—PKG. WT. 0.33 Lb.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-641

**1/4"
SQ. DR.**

SOCKET ATTACHMENTS

*Forged from **ALLOY STEEL** and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome.*

REVERSIBLE RATCHET

Round head design with finger tip reversing cap. Ratcheting mechanism has 52 teeth for fast and positive action. Comfortable oval grip handle. Exceeds government torque specifications. Length 4-5/8".

†NO. 4575

STD. PKG. 3—PKG. WT. 0.65 Lb.

INNER BODY ASSEMBLY

Replacement ratcheting mechanism for No. 4575 Reversible Ratchet. Unit can be quickly and easily replaced. Instruction booklet furnished with each ratchet.

NO. 4575-8

STD. PKG. 1—PKG. WT. 0.13 Lb.

REVERSIBLE RATCHET

Oval head design, 24 tooth ratcheting mechanism. Ratchet reverses instantly by turning thumb control lever. Round, knurled handle provides comfortable non-slip grip. Length 5".

†NO. 4582

STD. PKG. 3—PKG. WT. 0.96 Lb.

INNER BODY ASSEMBLY

Replacement ratcheting mechanism for No. 4582 Reversible Ratchet. Complete instructions for removing and installing furnished with each unit.

NO. 4582-8

STD. PKG. 1—PKG. WT. 0.12 Lb.

REFRIGERATION RATCHET WRENCH

Female 1/4" square drive for use with valve stem and packing gland nut sockets on refrigeration units. Four size openings in handle: 3/16", 1/4" and 5/16" square; 9/16"—6 point for hexagon nuts and bolts. Ratchet mechanism is 24 tooth action. Reverses instantly by moving thumb control lever. Length 6-1/4".

NO. 4491

STD. PKG. 3—PKG. WT. 1.36 Lbs.

NOTE: Adaptors for the above wrench, No. 4493 and 4517 are shown on page 2.

INNER BODY ASSEMBLY

Replacement ratcheting mechanism for No. 4491 Refrigeration Ratchet. Complete instructions for removing and installing body assembly furnished with each unit.

NO. 4491-8

STD. PKG. 1—PKG. WT. 0.12 Lb.

SWING HEAD HANDLE

Provides extra leverage needed to turn those stubborn nuts and bolts. Drive end swivels on steel pin; ball and spring tension hold drive end at desired angle. Oval Grip handle design. Length 6".

†NO. 4550

STD. PKG. 4—PKG. WT. 0.62 Lb.

SLIDE "T" HANDLE

Sliding head has spring leaded ball to hold it in any position of bar. Length 4-1/2".

†NO. 4535

STD. PKG. 4—PKG. WT. 0.44 Lb.

SPIN-FLEX HANDLE

This tool has a flexible shaft for reaching into areas that are otherwise inaccessible. Strong, laminated steel shaft that flexes to desired angle, yet provides positive drive action. Shock-proof handle. Length 7".

†NO. 4571

STD. PKG. 4—PKG. WT. 0.73 Lb.

SPINNER HANDLES

Small drivers used for spinning nuts on and off. Ideal for use in close quarters. Shock-proof handle.

†NO. 4572—4" Length

STD. PKG. 4—PKG. WT. 0.46 Lb.

†NO. 4573—6" Length

STD. PKG. 4—PKG. WT. 0.62 Lb.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-641



4575



4582



4491



4550



4535



4571



4572



4573

**1/4"
SQ. DR.**

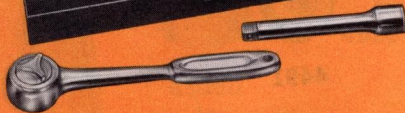
SOCKET SETS



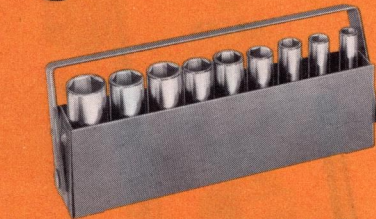
5600A



5604A



5607



5608



N5620

11 PIECE SOCKET SET

No.	Size	No.	Size	No.	Size
4508	1/4" 6 Pt. Skt.	4512	3/8" 6 Pt. Skt.	4510S	5/16" 8 Pt. Skt.
4509	9/32" 6 Pt. Skt.	4514	7/16" 6 Pt. Skt.	4512S	3/8" 8 Pt. Skt.
4510	5/16" 6 Pt. Skt.	4516	1/2" 6 Pt. Skt.	4573	6" Spinner Handle
4511	11/32" 6 Pt. Skt.	4508S	1/4" 8 Pt. Skt.		

NO. 5600A Set In Metal Box

STD. PKG. 1—PKG. WT. 0.75 Lb.

NO. 9702G Metal Box Only—Size 6-13/16" x 3" x 1-1/4"—Green Enamel Finish

STD. PKG. 1—PKG. WT. 0.66 Lb.

15 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
4506	3/16" 6 Pt. Skt.	4511	11/32" 6 Pt. Skt.	4510S	5/16" 8 Pt. Skt.
4507	7/32" 6 Pt. Skt.	4512	3/8" 6 Pt. Skt.	4512S	3/8" 8 Pt. Skt.
4508	1/4" 6 Pt. Skt.	4514	7/16" 6 Pt. Skt.	4532	3" Extension
4509	9/32" 6 Pt. Skt.	4516	1/2" 6 Pt. Skt.	4573	6" Spinner Handle
4510	5/16" 6 Pt. Skt.	4508S	1/4" 8 Pt. Skt.	4575	Reversible Ratchet

NO. 5604A Set In Metal Box

STD. PKG. 1—PKG. WT. 1.69 Lbs.

NO. 9702G Metal Box Only—Size 6-13/16" x 3" x 1-1/4"—Green Enamel Finish

STD. PKG. 1—PKG. WT. 0.66 Lb.

9 PIECE EXTRA DEEP SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
4506D	3/16" 6 Pt. Dp. Skt.	4509D	9/32" 6 Pt. Dp. Skt.	4512D	3/8" 6 Pt. Dp. Skt.
4507D	7/32" 6 Pt. Dp. Skt.	4510D	5/16" 6 Pt. Dp. Skt.	4514D	7/16" 6 Pt. Dp. Skt.
4508D	1/4" 6 Pt. Dp. Skt.	4511D	11/32" 6 Pt. Dp. Skt.	4516D	1/2" 6 Pt. Dp. Skt.

NO. 5607 Set In Metal Tray

STD. PKG. 1—PKG. WT. 1.00 Lb.

NO. 9950 Metal Tray Only—Red Enamel Finish

STD. PKG. 1—PKG. WT. 0.25 Lb.

13 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
4508T	1/4" 12 Pt. Skt.	4514T	7/16" 12 Pt. Skt.	4512S	3/8" 8 Pt. Skt.
4509T	9/32" 12 Pt. Skt.	4516T	1/2" 12 Pt. Skt.	4532	3" Extension
4510T	5/16" 12 Pt. Skt.	4508S	1/4" 8 Pt. Skt.	4573	6" Spinner Handle
4511T	11/32" 12 Pt. Skt.	4510S	5/16" 8 Pt. Skt.	4575	Reversible Ratchet
4512T	3/8" 12 Pt. Skt.				

NO. 5608 Set In Metal Box

STD. PKG. 1—PKG. WT. 1.50 Lbs.

NO. 9702G Metal Box Only—Size 6-13/16" x 3" x 1-1/4"—Green Enamel Finish

STD. PKG. 1—PKG. WT. 0.66 Lb.

14 PIECE SOCKET SET In Metal Box with Plastic Insert

No.	Size & Description	No.	Size & Description	No.	Size & Description
4506	3/16" 6 Pt. Skt.	4511	11/32" 6 Pt. Skt.	4512S	3/8" 8 Pt. Skt.
4507	7/32" 6 Pt. Skt.	4512	3/8" 6 Pt. Skt.	4532	3" Extension
4508	1/4" 6 Pt. Skt.	4514	7/16" 6 Pt. Skt.	4573	6" Spinner Handle
4509	9/32" 6 Pt. Skt.	4508S	1/4" 8 Pt. Skt.	4575	Reversible Ratchet
4510	5/16" 6 Pt. Skt.	4510S	5/16" 8 Pt. Skt.		

NO. N5620 Set In Metal Box

STD. PKG. 1—PKG. WT. 1.69 Lbs.

NO. 9716G Metal Box Only—Size 6-7/8" x 5-1/16" x 1"—Green Enamel Finish

STD. PKG. 1—PKG. WT. 0.81 Lb.

3/8"
SQ. DR.

SOCKETS & ATTACHMENTS

Forged from **ALLOY STEEL** and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome.



†REGULAR SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
6 POINT				
4408H	1/4"	1-1/16"	6	0.30
4410H	5/16"	1-1/16"	6	0.31
4412H	3/8"	1-1/16"	6	0.34
4414H	7/16"	1-1/16"	6	0.36
4416H	1/2"	1-1/16"	6	0.42
4418H	9/16"	1-1/8"	6	0.53
4420H	5/8"	1-1/8"	6	0.59
4422H	11/16"	1-1/8"	6	0.78
4424H	3/4"	1-1/8"	6	0.89
4426H	13/16"	1-3/16"	6	1.03
4428H	7/8"	1-1/4"	6	1.04

8 POINT

4412S	3/8"	1-1/16"	4	0.26
4414S	7/16"	1-1/8"	4	0.37
4416S	1/2"	1-1/8"	4	0.45

12 POINT

4412	3/8"	1-1/16"	6	0.23
4414	7/16"	1-1/16"	6	0.33
4416	1/2"	1-1/16"	6	0.44
4418	9/16"	1-1/16"	6	0.50
4420	5/8"	1-1/16"	6	0.50
4422	11/16"	1-1/8"	6	0.75
4424	3/4"	1-1/8"	6	0.75
4426	13/16"	1-3/16"	6	0.97
4428	7/8"	1-1/4"	6	1.35
4429A	15/16"	1-1/2"	6	1.75
4429B	1"	1-1/2"	6	1.81

†EXTRA DEEP SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
6 POINT				
4441H	3/8"	2-1/16"	6	0.64
4442H	7/16"	2-1/16"	6	0.87
4443H	1/2"	2-1/16"	6	0.88
4444H	9/16"	2-1/16"	6	0.89
4445H	5/8"	2-1/2"	6	1.31
4446H	11/16"	2-1/2"	6	1.40
4447H	3/4"	2-1/2"	6	1.79
4448H	13/16"	2-5/8"	6	2.00
4449H	7/8"	2-3/4"	6	2.80

12 POINT

4442	7/16"	2-1/16"	6	0.70
4443	1/2"	2-1/16"	6	0.79
4444	9/16"	2-1/16"	6	0.80
4445	5/8"	2-1/2"	6	0.89
4446	11/16"	2-1/2"	6	1.36
4447	3/4"	2-1/2"	6	1.75
4448	13/16"	2-5/8"	6	1.95
4449	7/8"	2-3/4"	6	2.70

UNIVERSAL JOINT SOCKETS

4412UV	3/8"	1-11/16"	2	0.25
4414UV	7/16"	1-11/16"	2	0.30
4416UV	1/2"	1-11/16"	2	0.35
4418UV	9/16"	1-11/16"	2	0.40
4420UV	5/8"	1-11/16"	2	0.40
4422UV	11/16"	1-11/16"	2	0.40
4424UV	3/4"	1-11/16"	2	0.43

ADAPTOR—3/8" Female x 1/2" Male

Adapts 1/2" Square Drive Sockets for use with 3/8" Square Drive Attachments.

†NO. 482

STD. PKG. 4—PKG. WT. 0.36 Lb.

ADAPTOR—1/4" Male x 3/8" Female

Adapts 1/4" Square Drive Sockets for use with 3/8" Square Drive Attachments.

†NO. 491

STD. PKG. 4—PKG. WT. 0.25 Lb.

UNIVERSAL JOINT

Handy attachment for turning nuts and bolts in hard-to-reach work areas. Spring loaded friction holds drive end in desired position. Overall length 1-13/16".

†NO. 4497

STD. PKG. 3—PKG. WT. 0.38 Lb.

OIL PRESSURE SENDING SOCKET

A specially designed socket for use on electric oil sending switches. 1-1/16" single hexagon opening. Overall length 2".

NO. 4438

STD. PKG. 4—PKG. WT. 1.50 Lbs.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-641



4408H
to
4428H



4412S
to
4416S



4412
to
4429B



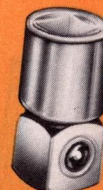
4441H
to
4449H



4442
to
4449



4412UV
to
4424U



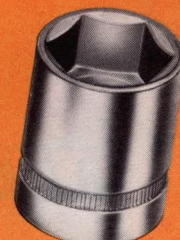
482



491



4497



4438

3/8"
SQ. DR.

SOCKETS & ADAPTORS



4445HS



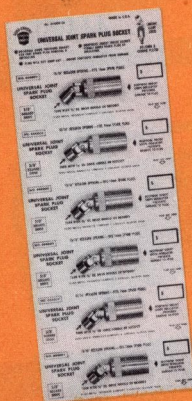
4448HS



4448UV



4445UV



4448UV-C6



4461
4462



4451
to
4454



4455A
to
4460



4465
to
4469



5733

Made from **ALLOY STEEL** and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome.

SPARK PLUG HOLDING SOCKET—5/8"

A special, extra deep 6 point socket for removing or installing 5/8" hexagon spark plugs. Oil resistant neoprene insert securely holds plug at insulator and prevents damage. Use with 3/8" Square Drive attachment. Overall length 2-7/16".

†NO. 4445HS

STD. PKG. 6—PKG. WT. 1.44 Lbs.

NEOPRENE INSERT

Replacement insert for No. 4445HS and No. 4445UV Spark Plug Socket.

NO. 4445HS-2

STD. PKG. 6—PKG. WT. 0.13 Lb.

SPARK PLUG HOLDING SOCKET—13/16"

A special, extra deep 6 point socket for removing or installing 13/16" and 14MM spark plugs. Oil resistant neoprene insert securely holds plug at insulator and prevents damage. Use with 3/8" Square Drive attachment or 7/8" wrench. Overall length 2-7/16".

†NO. 4448HS

STD. PKG. 6—PKG. WT. 1.79 Lbs.

NEOPRENE INSERT

Replacement insert for No. 4448HS and No. 4448UV Spark Plug Sockets.

NO. 4448HS-2

STD. PKG. 6—PKG. WT. 0.13 Lb.

UNIVERSAL JOINT SPARK PLUG SOCKETS

The universal joint drive end permits use in hard-to-reach areas where a regular socket cannot be used. Spring loaded friction holds drive end at required angle to position plug. Oil resistant neoprene insert securely holds plug at insulator and prevents damage. Overall length: No. 4445UV—3-5/8"; No. 4448UV—3-1/4".

NO. 4445UV—5/8"

STD. PKG. 6—PKG. WT. 2.00 Lbs.

NO. 4448UV—13/16" (14MM)

STD. PKG. 6—PKG. WT. 2.48 Lbs.

UNIVERSAL JOINT SPARK PLUG SOCKET DISPLAY

Contains six No. 4448UV Universal Joint Spark Plug Sockets, skin-packed on attractive merchandising card. Can be displayed on self-service wire rack, wall or counter. Card is perforated between each of the six tools for easy removal. Space is provided on each card for pre-pricing.

NO. 4448UV-C6

STD. PKG. 1—PKG. WT. 2.50 Lbs.

*SCREW DRIVER ADAPTORS

COMPLETE TOOL

BIT ONLY

No.	Bit Size	Pkg. Wt. Lbs.	No.	Pkg. Wt. Lbs.
FOR SLOTTED HEAD SCREWS—Length 3"				
4461	1/4"	0.53	4461-2	0.25
4462	3/8"	0.53	4462-2	0.25
FOR PHILLIPS HEAD SCREWS—Length 2-3/4"				
4451	#1	0.25	4451-1	0.12
4452	#2	0.34	4452-1	0.12
4453	#3	0.41	4453-1	0.15
4454	#4	0.47	4454-1	0.15
FOR CLUTCH HEAD SCREWS—Length 2"				
4465	5/32"	0.25	4465-1	0.12
4466	3/16"	0.34	4466-1	0.12
4467	1/4"	0.41	4467-1	0.15
4468	5/16"	0.46	4468-1	0.15
4469	3/8"	0.48	4469-1	0.20

STD. PKG. 4

*HOLLOW HEAD SET SCREW ADAPTORS

COMPLETE TOOL

BIT ONLY

No.	Bit Size	Pkg. Wt. Lbs.	No.	Pkg. Wt. Lbs.
FOR SLOTTED HEAD SCREWS—Length 3"				
4455A	1/8"	0.40	4455A-2	0.07
4455	5/32"	0.40	4455-2	0.07
4456	3/16"	0.43	4456-2	0.10
4457	7/32"	0.43	4457-2	0.14
4458	1/4"	0.51	4458-2	0.18
4459	5/16"	0.60	4459-2	0.28
4460	3/8"	0.81	4460-2	0.40

STD. PKG. 4

7 PC. SET SCREW ADAPTOR SET

Contains one each of the Hollow Head Set Screw Adaptors listed above. Furnished in metal tray; green enamel finish.

NO. 5733 Set In Metal Tray

STD. PKG. 1—PKG. WT. 0.75 Lb.

NO. 9823G Metal Tray Only

STD. PKG. 1—PKG. WT. 0.25 Lb.

*Due to the unique design, these tools are not guaranteed.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-641

3/8"
SQ. DR.

SOCKET ATTACHMENTS

Forged from **ALLOY STEEL** and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome.

EXTENSIONS

For use in reaching nuts and bolts that are not readily accessible. Available in 7 various lengths.

†NO. 4430—Length 3"

STD. PKG. 4—PKG. WT. 0.75 Lb.

†NO. 4431—Length 1-3/4"

STD. PKG. 4—PKG. WT. 0.50 Lb.

†NO. 4432—Length 4-1/2"

STD. PKG. 4—PKG. WT. 0.82 Lb.

†NO. 4433—Length 6"

STD. PKG. 4—PKG. WT. 0.98 Lb.

†NO. 4434—Length 9"

STD. PKG. 4—PKG. WT. 1.43 Lbs.

†NO. 4435—Length 12"

STD. PKG. 4—PKG. WT. 1.81 Lbs.

†NO. 4437—Length 20"

STD. PKG. 4—PKG. WT. 2.61 Lbs.

REVERSIBLE RATCHET

Oval head design, 24 tooth ratcheting mechanism. Ratchet reverses by turning control lever. Round, knurled handle provides comfortable non-slip grip. Length 7-1/2".

†NO. 4472

STD. PKG. 3—PKG. WT. 2.12 Lbs.

INNER BODY ASSEMBLY

Replacement ratcheting mechanism for No. 4472 Reversible Ratchet. Assembly instructions furnished with each unit.

NO. 4472-8

STD. PKG. 1—PKG. WT. 0.18 Lb.

REVERSIBLE RATCHET

Round head design with finger tip reversing cap. Ratcheting mechanism has 52 teeth for fast and positive action. New "bite" every 7°. Round, knurled handle for comfortable non-slip grip. Length 7-1/2".

†NO. 4475

STD. PKG. 3—PKG. WT. 1.75 Lbs.

INNER BODY ASSEMBLY

Replacement ratcheting mechanism for No. 4475 and No. 4436 Reversible Ratchet. Assembly instructions furnished.

NO. 4475-8

STD. PKG. 1—PKG. WT. 0.12 Lb.

SWIVEL HEAD REVERSIBLE RATCHET

A specially designed tool for use in working around obstructions. Ratchet swivels 90° in both directions. Ratcheting mechanism has 52 teeth. Round, knurled handle provides comfortable non-slip grip. Length 10".

NO. 4436

STD. PKG. 3—PKG. WT. 2.48 Lbs.

SWING HEAD HANDLE

Provides extra leverage needed to break loose those stubborn nuts and bolts. Round, knurled handle. Length 9".

†NO. 4481

STD. PKG. 3—PKG. WT. 1.84 Lbs.

SLIDE "T" HANDLE

Head can be located at any position on bar. Length 8".

†NO. 4463

STD. PKG. 2—PKG. WT. 0.75 Lb.

SPEEDER HANDLE

Convenient when speed and reach are required. Length 16-1/2".

†NO. 4485

STD. PKG. 3—PKG. WT. 3.00 Lbs.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-641



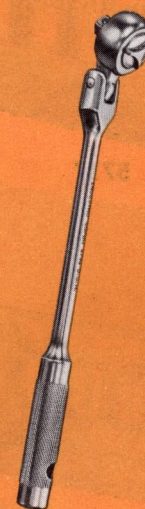
4430
4431



4472



4432
to
4437



4475



4481

4436



4463



4485



3/8" SQ. DR. SOCKET SETS

SPARK PLUG TUNE-UP KIT

A 3 piece kit containing 3/8" square drive reversible ratchet, extension and 13/16" spark plug socket. Tools are skin-packed on colorful hang-up display card.

NO. 5740S

STD. PKG. 6—PKG. WT. 7.00 Lbs.



5740S

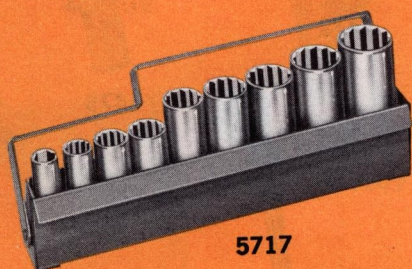
9 PIECE DEEP SOCKET SET

No.	Size & Description	No.	Size & Description
4441H	3/8" 6 Pt. Deep Socket	4446	11/16" 12 Pt. Deep Socket
4442	7/16" 12 Pt. Deep Socket	4447	3/4" 12 Pt. Deep Socket
4443	1/2" 12 Pt. Deep Socket	4448	13/16" 12 Pt. Deep Socket
4444	9/16" 12 Pt. Deep Socket	4449	7/8" 12 Pt. Deep Socket
4445	5/8" 12 Pt. Deep Socket		

NO. 5717 Set In Metal Tray

STD. PKG. 1—PKG. WT. 2.63 Lbs.

NO. 9882G Metal Tray Only—Green Enamel Finish STD. PKG. 1—PKG. WT. 0.50 Lb.



5717

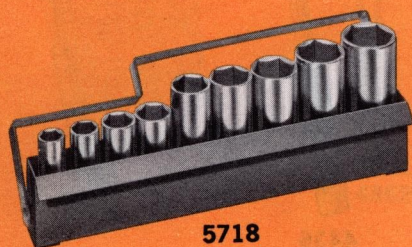
9 PIECE DEEP SOCKET SET—6 POINT

No.	Size & Description	No.	Size & Description
4441H	3/8" 6 Pt. Deep Socket	4446H	11/16" 6 Pt. Deep Socket
4442H	7/16" 6 Pt. Deep Socket	4447H	3/4" 6 Pt. Deep Socket
4443H	1/2" 6 Pt. Deep Socket	4448H	13/16" 6 Pt. Deep Socket
4444H	9/16" 6 Pt. Deep Socket	4449H	7/8" 6 Pt. Deep Socket
4445H	5/8" 6 Pt. Deep Socket		

NO. 5718 Set In Metal Tray

STD. PKG. 1—PKG. WT. 2.75 Lbs.

NO. 9882G Metal Tray Only—Green Enamel Finish STD. PKG. 1—PKG. WT. 0.50 Lb.



5718

9 PIECE SOCKET SET—6 POINT

No.	Size & Description	No.	Size & Description
4408H	1/4" 6 Pt. Socket	4418H	9/16" 6 Pt. Socket
4410H	5/16" 6 Pt. Socket	4420H	5/8" 6 Pt. Socket
4412H	3/8" 6 Pt. Socket	4422H	11/16" 6 Pt. Socket
4414H	7/16" 6 Pt. Socket	4424H	3/4" 6 Pt. Socket
4416H	1/2" 6 Pt. Socket		

NO. 5725 Set In Metal Tray

STD. PKG. 1—PKG. WT. 1.13 Lbs.

NO. 9841 Metal Tray Only—Red Enamel Finish STD. PKG. 1—PKG. WT. 0.50 Lb.



5725

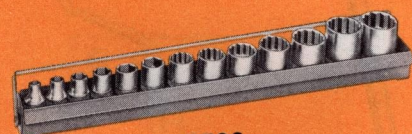
13 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description
4408H	1/4" 6 Pt. Socket	4422	11/16" 12 Pt. Socket
4410H	5/16" 6 Pt. Socket	4424	3/4" 12 Pt. Socket
4412H	3/8" 6 Pt. Socket	4426	13/16" 12 Pt. Socket
4414H	7/16" 6 Pt. Socket	4428	7/8" 12 Pt. Socket
4416H	1/2" 6 Pt. Socket	4429A	15/16" 12 Pt. Socket
4418H	9/16" 6 Pt. Socket	4429B	1" 12 Pt. Socket
4420	5/8" 12 Pt. Socket		

NO. 5726 Set In Metal Tray

STD. PKG. 1—PKG. WT. 2.50 Lbs.

NO. 9847 Metal Tray Only—Red Enamel Finish STD. PKG. 1—PKG. WT. 0.75 Lb.



5726

3/8" SQ. DR. SOCKET SETS

7 PIECE UNIVERSAL JOINT SOCKET SET

No.	Size & Description	No.	Size & Description
4412UV	3/8" Univ. 6 Pt. Socket	4420UV	5/8" Univ. 6 Pt. Socket
4414UV	7/16" Univ. 6 Pt. Socket	4422UV	11/16" Univ. 6 Pt. Socket
4416UV	1/2" Univ. 6 Pt. Socket	4424UV	3/4" Univ. 6 Pt. Socket
4418UV	9/16" Univ. 6 Pt. Socket		

NO. 5710A Set In Metal Box

STD. PKG. 1—PKG. WT. 1.69 Lbs.

NO. 9703G Metal Box Only—Size 6-13/16" x 3" x 1-1/4"—Green Enamel Finish

STD. PKG. 1—PKG. WT. 0.66 Lb.

10 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description
4412H	3/8" 6 Pt. Socket	4422	11/16" 12 Pt. Socket
4414H	7/16" 6 Pt. Socket	4424	3/4" 12 Pt. Socket
4416H	1/2" 6 Pt. Socket	4448HS	13/16" Spark Plug Socket
4418H	9/16" 6 Pt. Socket	4433	6" Extension
4420	5/8" 12 Pt. Socket	4475	Reversible Ratchet

NO. 5727 Set In Metal Box

STD. PKG. 1—PKG. WT. 3.00 Lbs.

NO. 9889G Metal Box Only—Size 10-1/4" x 3-1/4" x 1-13/16"

Green Enamel Finish

STD. PKG. 1—PKG. WT. 1.37 Lbs.

15 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description
4412H	3/8" 6 Pt. Socket	4448HS	13/16" Spark Plug Socket
4414H	7/16" 6 Pt. Socket	4481	9" Swing Head Handle
4416H	1/2" 6 Pt. Socket	4430	3" Extension
4418H	9/16" 6 Pt. Socket	4433	6" Extension
4420	5/8" 12 Pt. Socket	4435	12" Extension
4422	11/16" 12 Pt. Socket	4497	Universal Joint
4424	3/4" 12 Pt. Socket	4475	Reversible Ratchet
4445HS	5/8" Spark Plug Socket		

NO. 5728 Set In Metal Box

STD. PKG. 1—PKG. WT. 5.00 Lbs.

NO. 9962G Metal Box Only—Size 12-1/4" x 3-3/8" x 2"—Green Enamel Finish

STD. PKG. 1—PKG. WT. 1.35 Lbs.

30 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description
4412H	3/8" 6 Pt. Socket	4442H	7/16" 6 Pt. Deep Socket
4414H	7/16" 6 Pt. Socket	4443H	1/2" 6 Pt. Deep Socket
4416H	1/2" 6 Pt. Socket	4444H	9/16" 6 Pt. Deep Socket
4418H	9/16" 6 Pt. Socket	4445	5/8" 12 Pt. Deep Socket
4420	5/8" 12 Pt. Socket	4446	11/16" 12 Pt. Deep Socket
4422	11/16" 12 Pt. Socket	4447	3/4" 12 Pt. Deep Socket
4424	3/4" 12 Pt. Socket	4445HS	5/8" Spark Plug Socket
4426	13/16" 12 Pt. Socket	4448HS	13/16" Spark Plug Socket
4428	7/8" 12 Pt. Socket	4430	3" Extension
4429A	15/16" 12 Pt. Socket	4433	6" Extension
4429B	1" 12 Pt. Socket	4435	12" Extension
4412S	3/8" 8 Pt. Socket	4481	9" Swing Head Handle
4414S	7/16" 8 Pt. Socket	4485	16" Speeder Handle
4416S	1/2" 8 Pt. Socket	4497	Universal Joint
4441H	3/8" 6 Pt. Deep Socket	4475	Reversible Ratchet

NO. 5729 Set In Metal Box

STD. PKG. 1—PKG. WT. 11.50 Lbs.

NO. 9965G Metal Box Only—Size 19" x 5-3/4" x 4-1/2"—Green Enamel Finish

STD. PKG. 1—PKG. WT. 5.25 Lbs.



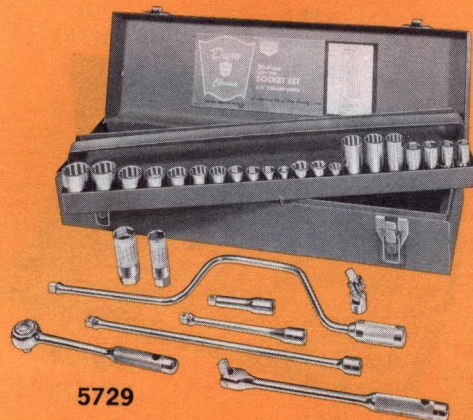
5710A



5727



5728



5729



1/4 & 3/8" SQ. DR.

SOCKET SETS

WITH MOLDED PLASTIC TRAY INSERT

Tools "nest" in a molded plastic tray insert. Socket sizes are imprinted on tray insert for quick and easy identification. A clear plastic cover over the tools prevents pilferage when displayed and keeps tools sparkling clean.



N5731

10 PIECE SOCKET SET—3/8" SQ. DRIVE

No.	Description	No.	Description
4412H	3/8" 6 Pt. Socket	4422	11/16" 12 Pt. Socket
4414	7/16" 12 Pt. Socket	4424	3/4" 12 Pt. Socket
4416	1/2" 12 Pt. Socket	4448HS	13/16" Spark Plug Socket
4418	9/16" 12 Pt. Socket	4433	6" Extension
4420	5/8" 12 Pt. Socket	4475	Reversible Ratchet

NO. N5731 Set In Metal Box STD. PKG. 1—PKG. WT. 3.50 Lbs.

NO. 9717G Metal Tool Box Only—9-3/4" x 5-9/16" x 1-3/8"
Green Enamel Finish STD. PKG. 1—PKG. WT. 1.63 Lbs.

19 PIECE SOCKET SET—1/4" & 3/8" SQ. DRIVE

No.	Description	No.	Description
1/4" SQUARE DRIVE		3/8" SQUARE DRIVE	
4506	3/16" 6 Pt. Socket	4414	7/16" 12 Pt. Socket
4507	7/32" 6 Pt. Socket	4416	1/2" 12 Pt. Socket
4508	1/4" 6 Pt. Socket	4418	9/16" 12 Pt. Socket
4509	9/32" 6 Pt. Socket	4420	5/8" 12 Pt. Socket
4510	5/16" 6 Pt. Socket	4422	11/16" 12 Pt. Socket
4511	11/32" 6 Pt. Socket	4424	3/4" 12 Pt. Socket
4512	3/8" 6 Pt. Socket	4448HS	13/16" Spark Plug Socket
4573	6" Spinner Handle	4430	3" Extension
491	Adaptor, 1/4" M x 3/8" F	4433	6" Extension
		4475	Reversible Ratchet

NO. N5730 Set In Metal Box STD. PKG. 1—PKG. WT. 4.75 Lbs.

NO. 9718G Metal Box Only—15-3/16" x 5-3/8" x 1-3/8"
Green Enamel Finish STD. PKG. 1—PKG. WT. 2.37 Lbs.



N5730

23 PIECE SOCKET SET—3/8" SQ. DRIVE

No.	Description	No.	Description
4412H	3/8" 6 Pt. Socket	4442	7/16" 12 Pt. Deep Socket
4414	7/16" 12 Pt. Socket	4443	1/2" 12 Pt. Deep Socket
4416	1/2" 12 Pt. Socket	4444	9/16" 12 Pt. Deep Socket
4418	9/16" 12 Pt. Socket	4445	5/8" 12 Pt. Deep Socket
4420	5/8" 12 Pt. Socket	4446	11/16" 12 Pt. Deep Socket
4422	11/16" 12 Pt. Socket	4447	3/4" 12 Pt. Deep Socket
4424	3/4" 12 Pt. Socket	4448HS	13/16" Spark Plug Socket
4426	13/16" 12 Pt. Socket	4430	3" Extension
4428	7/8" 12 Pt. Socket	4433	6" Extension
4429A	15/16" 12 Pt. Socket	4481	9" Swing Head Handle
4429B	1" 12 Pt. Socket	4497	Universal Joint
		4475	Reversible Ratchet

NO. N5732 Set In Metal Box STD. PKG. 1—PKG. WT. 8.69 Lbs.

NO. 9719G Metal Box Only—18-13/16" x 7-3/8" x 1-3/8"
Green Enamel Finish STD. PKG. 1—PKG. WT. 3.56 Lbs.



N5732

1/2" SQ. DR. SOCKETS

Made from **ALLOY STEEL** and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome.

†6 POINT SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
1112H	3/8"	1-1/2"	6	0.63
1114H	7/16"	1-1/2"	6	0.68
1116H	1/2"	1-1/2"	6	0.72
1118H	9/16"	1-1/2"	6	0.87
1120H	5/8"	1-9/16"	6	0.90
1122H	11/16"	1-9/16"	6	0.90
1124H	3/4"	1-9/16"	6	1.35
1126H	13/16"	1-5/8"	6	1.35
1128H	7/8"	1-21/32"	6	1.55
1130H	15/16"	1-21/32"	6	1.77
1132H	1"	1-21/32"	6	2.27
1134H	1-1/16"	1-21/32"	6	2.70
1136H	1-1/8"	1-21/32"	6	2.78
1140H	1-1/4"	1-21/32"	6	3.22

†8 POINT SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
1612S	3/8"	1-7/16"	4	0.50
1614S	7/16"	1-15/32"	4	0.53
1616S	1/2"	1-15/32"	4	0.57
1618S	9/16"	1-15/32"	4	0.73
1620S	5/8"	1-15/32"	4	1.00
1622S	11/16"	1-15/32"	4	1.08
1624S	3/4"	1-15/32"	4	1.40
1626S	13/16"	1-17/32"	4	1.77
1628S	7/8"	1-19/32"	4	2.11

†12 POINT SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
1614	7/16"	1-1/2"	6	0.65
1616	1/2"	1-1/2"	6	0.71
1618	9/16"	1-1/2"	6	0.85
1619	19/32"	1-9/16"	6	0.91
1620	5/8"	1-9/16"	6	0.95
1622	11/16"	1-9/16"	6	1.00
1624	3/4"	1-9/16"	6	1.31
1625	25/32"	1-5/8"	6	1.40
1626	13/16"	1-5/8"	6	1.48
1628	7/8"	1-21/32"	6	1.66
1630	15/16"	1-21/32"	6	2.25
1632	1"	1-21/32"	6	2.30
1634	1-1/16"	1-21/32"	6	2.68
1636	1-1/8"	1-21/32"	6	2.71
1640	1-1/4"	1-21/32"	6	3.25

†6 POINT DEEP SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
1416H	1/2"	3-1/4"	6	1.90
1418H	9/16"	3-1/4"	6	1.96
1420H	5/8"	3-1/4"	6	1.98
1422H	11/16"	3-1/4"	6	2.14
1424H	3/4"	3-1/4"	6	2.60
1426H	13/16"	3-1/4"	6	3.12
1428H	7/8"	3-1/4"	6	3.15
1430H	15/16"	3-1/4"	6	3.31
1432H	1"	3-1/4"	6	3.47
1434H	1-1/16"	3-1/4"	6	3.50
1436H	1-1/8"	3-1/4"	6	3.55
1440H	1-1/4"	3-1/4"	6	3.60

†12 POINT DEEP SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
1416	1/2"	3-1/4"	6	1.90
1418	9/16"	3-1/4"	6	1.96
1420	5/8"	3-1/4"	6	1.98
1422	11/16"	3-1/4"	6	2.14
1424	3/4"	3-1/4"	6	2.60
1426	13/16"	3-1/4"	6	3.12
1428	7/8"	3-1/4"	6	3.15
1430	15/16"	3-1/4"	6	3.31
1432	1"	3-1/4"	6	3.47
1434	1-1/16"	3-1/4"	6	3.50
1436	1-1/8"	3-1/4"	6	3.55
1440	1-1/4"	3-1/4"	6	3.60

Extra Thin Deep Socket

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
*1426T	13/16"	3-1/4"	6	2.22

*Due to the unique design, this tool is not guaranteed.

FORD CONNECTING ROD SOCKET

A specially designed socket with a thin tapered nose for use on the older Ford V8 engines. Size 9/16", 6 point.

*NO. 1618V8X

STD. PKG. 6—PKG. WT. 0.93 Lb.

*Due to the unique design, this tool is not guaranteed.

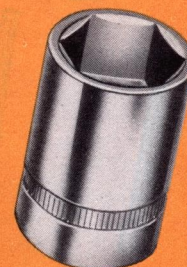
DRAG LINK SOCKET

Designed especially for adjusting drag links. Can also be used as a heavy duty screw driver. Bit size .150" thick x 15/16" wide.

†NO. 1305

STD. PKG. 4—PKG. WT. 0.62 Lb.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-641



1112H
to
1140H



1612S
to
1628S



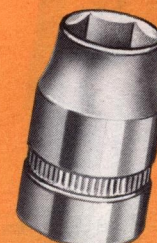
1614
to
1640



1416H
to
1440H



1416
to
1440



1618V8X



1305

**1/2"
SQ. DR.**

SOCKETS & ATTACHMENTS

Made from **ALLOY STEEL** and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome.

EXTENSIONS

Handy attachments for use in reaching nuts and bolts that are not readily accessible.

†NO. 662—Length 2-7/16"

STD. PKG. 4—PKG. WT. 1.00 Lb.

†NO. 664—Length 5-1/2"

STD. PKG. 4—PKG. WT. 1.64 Lbs.

†NO. 665—Length 10"

STD. PKG. 4—PKG. WT. 2.68 Lbs.

†NO. 661—Length 20"

STD. PKG. 4—PKG. WT. 5.36 Lbs.

SPEEDER HANDLE

Designed especially for speedy nut turning. Length 17-5/8".

†NO. 651

STD. PKG. 4—PKG. WT. 6.75 Lbs.

SLIDE "T" HANDLE

Notched so it will slide flush with end of bar. Spring loaded head holds at any position. Length 11".

†NO. 663

STD. PKG. 4—PKG. WT. 4.00 Lbs.

UNIVERSAL JOINT

Handy attachment for turning nuts and bolts in hard-to-reach work areas. Spring loaded friction holds drive end in desired position. Overall length 2-9/32".

†NO. 588

STD. PKG. 4—PKG. WT. 1.00 Lb.

RATCHET ADAPTOR PLUG

NO. 692—1-1/4" length. Use with No. 671 Ratchet.

STD. PKG. 4—PKG. WT. 0.34 Lb.

ADAPTOR—1/2" Female x 3/4" Male

Adapts 3/4" Square Drive Sockets for use with 1/2" Square Drive Attachments.

†NO. 483

STD. PKG. 4—PKG. WT. 1.23 Lbs.

ADAPTOR—1/2" Female x 3/8" Male

Adapts 3/8" Square Drive Sockets for use with 1/2" Square Drive Attachments.

†NO. 492

STD. PKG. 4—PKG. WT. 0.58 Lb.

SPARK PLUG HOLDING SOCKET

A special, extra deep 6 point socket for removing or installing 13/16" and 14MM hexagon spark plugs. Oil resistant neoprene insert securely holds plug at insulator and prevents breakage. Use with 1/2" Square Drive attachment or 7/8" wrench. Overall length 2-7/16".

†NO. 1426HS

STD. PKG. 6—PKG. WT. 1.50 Lbs.

NEOPRENE INSERT

Replacement insert for No. 1426HS Spark Plug Socket.

NO. 1426HS-2

STD. PKG. 6—PKG. WT. 0.13 Lb.

SPARK PLUG HOLDING SOCKET

A special, extra deep 6 point socket for removing or installing 7/8" hexagon spark plugs. Oil resistant neoprene insert securely holds plug at insulator and prevents breakage. Overall length 2-3/4".

†NO. 1428HS

STD. PKG. 6—PKG. WT. 3.15 Lbs.

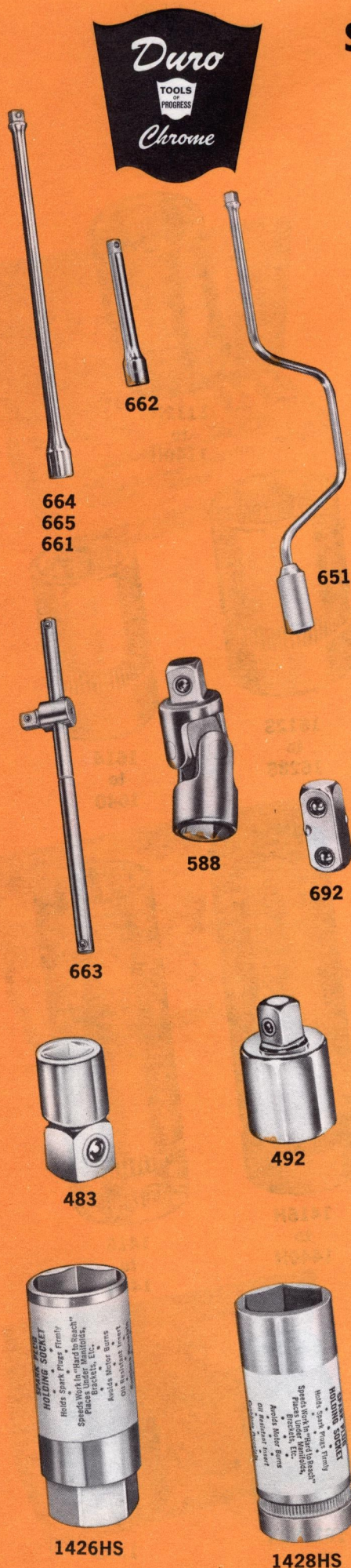
NEOPRENE INSERT

Replacement insert for No. 1428HS Spark Plug Socket.

NO. 1428HS-2

STD. PKG. 6—PKG. WT. 0.13 Lb.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-641



**1/2"
SQ. DR.**

SOCKET ATTACHMENTS & SETS

Forged from **ALLOY STEEL** and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome.

REVERSIBLE RATCHET

Round head design with finger tip reversing cap. Ratcheting mechanism has 52 teeth for fast and positive action—a new “bite” every 7°. Round, knurled handle for comfortable non-slip grip. Length 10-1/2”.

†NO. 675

STD. PKG. 3—PKG. WT. 4.18 Lbs.

INNER BODY ASSEMBLY

FOR NOS. 670, 675 and 689 REVERSIBLE RATCHETS

Replacement ratcheting mechanism with complete instructions for installing.

NO. 675-8

STD. PKG. 1—PKG. WT. 0.25 Lb.

EXTRA LONG REVERSIBLE RATCHET

Compact round head. 52 tooth action. Length 15-1/2”.

†NO. 689

STD. PKG. 3—PKG. WT. 5.13 Lbs.

SWIVEL HEAD REVERSIBLE RATCHET

Designed to by-pass obstructions. Swivels from 0° to 90° in either direction. 52 tooth action. Length 12”.

NO. 670

STD. PKG. 3—PKG. WT. 4.94 Lbs.

REVERSIBLE RATCHET

Oval head design, 30 tooth ratcheting mechanism. Ratchet reverses instantly by turning thumb control lever. Round, knurled handle. Length 10-1/4”.

†NO. 672

STD. PKG. 3—PKG. WT. 4.25 Lbs.

INNER BODY ASSEMBLY

Replacement ratcheting mechanism for No. 672 Reversible Ratchet. Complete instructions for removing and installing furnished with each unit.

NO. 672-8

STD. PKG. 1—PKG. WT. 0.25 Lb.

REVERSIBLE RATCHET—FEMALE DRIVE

Oval head design, 30 tooth ratcheting mechanism. Ratchet reverses instantly by turning thumb control lever. Length 10-1/4”.

†NO. 671

STD. PKG. 4—PKG. WT. 4.00 Lbs.

NOTE: No. 692 Adaptor Plug, used with this ratchet, is listed on page 12.

SWING HEAD HANDLES

Ideal tool where extra leverage is needed to tighten or break loose stubborn nuts or bolts.

†NO. 666—Length 11-1/2”

STD. PKG. 2—PKG. WT. 2.37 Lbs.

†NO. 667—Length 15-1/2”

STD. PKG. 2—PKG. WT. 2.84 Lbs.

†NO. 669—Length 18”

STD. PKG. 2—PKG. WT. 3.38 Lbs.

15 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
1614	7/16" 12 Pt. Skt.	1622	11/16" 12 Pt. Skt.	1630	15/16" 12 Pt. Skt.
1616	1/2" 12 Pt. Skt.	1624	3/4" 12 Pt. Skt.	1632	1" 12 Pt. Skt.
1618	9/16" 12 Pt. Skt.	1625	25/32" 12 Pt. Skt.	1634	1-1/16" 12 Pt. Skt.
1619	19/32" 12 Pt. Skt.	1626	13/16" 12 Pt. Skt.	1636	1-1/8" 12 Pt. Skt.
1620	5/8" 12 Pt. Skt.	1628	7/8" 12 Pt. Skt.	1640	1-1/4" 12 Pt. Skt.

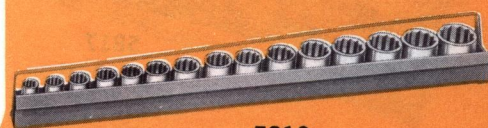
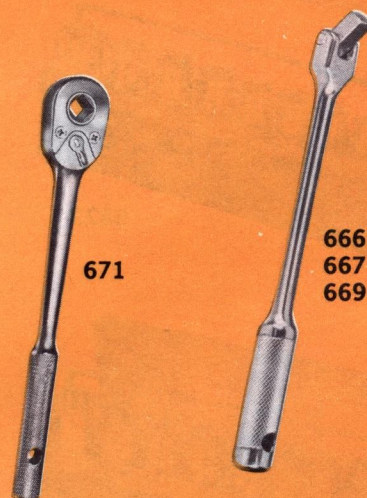
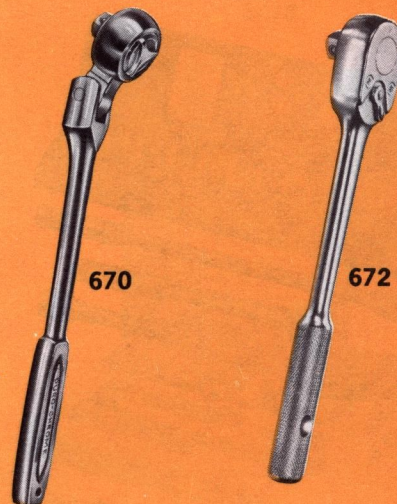
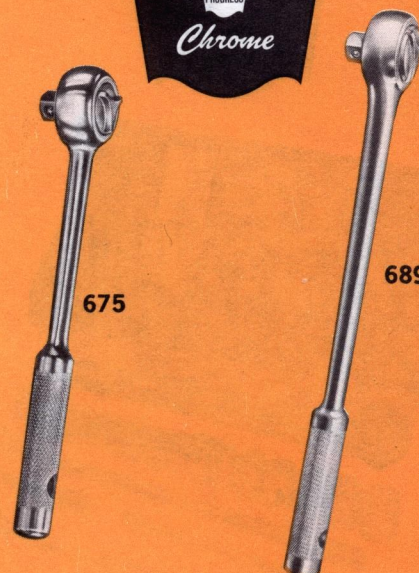
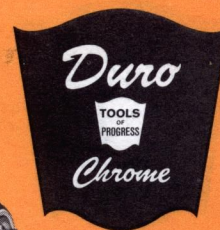
NO. 5810 Set In Metal Tray

STD. PKG. 1—PKG. WT. 5.13 Lbs.

NO. 9883G Metal Tray Only—Green Enamel Finish

STD. PKG. 1—PKG. WT. 1.37 Lbs.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-641



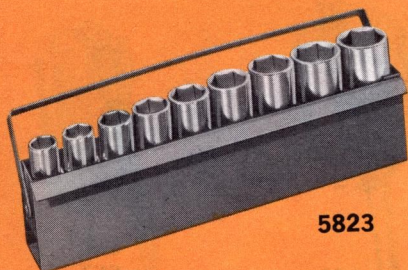
5810



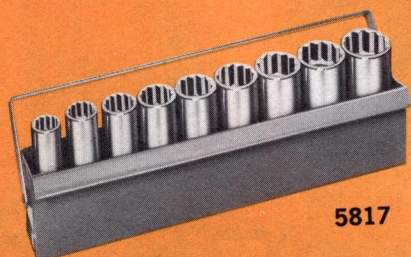
5824



5825



5823



5817

1/2"
SQ. DR.

SOCKET SETS

12 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
1614	7/16" 12 Pt. Skt.	1622	11/16" 12 Pt. Skt.	1630	15/16" 12 Pt. Skt.
1616	1/2" 12 Pt. Skt.	1624	3/4" 12 Pt. Skt.	1632	1" 12 Pt. Skt.
1618	9/16" 12 Pt. Skt.	1626	13/16" 12 Pt. Skt.	664	5-1/2" Extension
1620	5/8" 12 Pt. Skt.	1628	7/8" 12 Pt. Skt.	675	Reversible Ratchet

NO. 5824 Set In Metal Box

STD. PKG. 1—PKG. WT. 7.59 Lbs.

NO. 9962G Metal Box Only—12-1/4" x 3-3/8" x 2"—Green Enamel Finish

STD. PKG. 1—PKG. WT. 1.35 Lbs.

16 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
1614	7/16" 12 Pt. Skt.	1624	3/4" 12 Pt. Skt.	1634	1-1/16" 12 Pt. Skt.
1616	1/2" 12 Pt. Skt.	1626	13/16" 12 Pt. Skt.	1636	1-1/8" 12 Pt. Skt.
1618	9/16" 12 Pt. Skt.	1628	7/8" 12 Pt. Skt.	1640	1-1/4" 12 Pt. Skt.
1620	5/8" 12 Pt. Skt.	1630	15/16" 12 Pt. Skt.	664	5-1/2" Extension
1622	11/16" 12 Pt. Skt.	1632	1" 12 Pt. Skt.	667	15-1/2" Swg.Hd.Hdle.
				675	Reversible Ratchet

NO. 5825 Set In Metal Box

STD. PKG. 1—PKG. WT. 8.50 Lbs.

NO. 9713G Metal Box Only—15-3/4" x 4-1/8" x 1-13/16"

Green Enamel Finish

STD. PKG. 1—PKG. WT. 2.25 Lbs.

9 PC. 6 PT. EXTRA DEEP SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
1416H	1/2" 6 Pt. Dp. Skt.	1422H	11/16" 6 Pt. Dp. Skt.	1428H	7/8" 6 Pt. Dp. Skt.
1418H	9/16" 6 Pt. Dp. Skt.	1424H	3/4" 6 Pt. Dp. Skt.	1430H	15/16" 6 Pt. Dp. Skt.
1420H	5/8" 6 Pt. Dp. Skt.	1426H	13/16" 6 Pt. Dp. Skt.	1432H	1" 6 Pt. Dp. Skt.

NO. 5823 Set In Metal Tray

STD. PKG. 1—PKG. WT. 4.75 Lbs.

NO. 9842G Metal Tray Only—Green Enamel Finish

STD. PKG. 1—PKG. WT. 1.25 Lbs.

9 PC. 12 PT. EXTRA DEEP SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
1416	1/2" 12 Pt. Dp. Skt.	1422	11/16" 12 Pt. Dp. Skt.	1428	7/8" 12 Pt. Dp. Skt.
1418	9/16" 12 Pt. Dp. Skt.	1424	3/4" 12 Pt. Dp. Skt.	1430	15/16" 12 Pt. Dp. Skt.
1420	5/8" 12 Pt. Dp. Skt.	1426	13/16" 12 Pt. Dp. Skt.	1432	1" 12 Pt. Dp. Skt.

NO. 5817 Set In Metal Tray

STD. PKG. 1—PKG. WT. 4.88 Lbs.

NO. 9842G Metal Tray Only—Green Enamel Finish

STD. PKG. 1—PKG. WT. 1.25 Lbs.

1/2" SQ. DR. SOCKET SETS

21 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description
1614	7/16" 12 Pt. Socket	1632	1" 12 Pt. Socket
1616	1/2" 12 Pt. Socket	1634	1-1/16" 12 Pt. Socket
1618	9/16" 12 Pt. Socket	1636	1-1/8" 12 Pt. Socket
1619	19/32" 12 Pt. Socket	1640	1-1/4" 12 Pt. Socket
1620	5/8" 12 Pt. Socket	664	5-1/2" Extension
1622	11/16" 12 Pt. Socket	665	10" Extension
1624	3/4" 12 Pt. Socket	588	Universal Joint
1625	25/32" 12 Pt. Socket	669	18" Swing Head Hdle.
1626	13/16" 12 Pt. Socket	651	17-5/8" Speeder
1628	7/8" 12 Pt. Socket	675	Reversible Ratchet
1630	15/16" 12 Pt. Socket		

NO. 5818 Set In Metal Box
STD. PKG. 1—PKG. WT. 17.13 Lbs.

NO. 9549G Metal Box Only—19" x 7-1/2" x 6-1/2"
Green Enamel Finish STD. PKG. 1—PKG. WT. 7.12 Lbs.

NESTED SERIES SOCKET SETS

Tools "nest" in a molded plastic tray insert. Socket sizes are imprinted on tray insert for quick and easy identification. A clear plastic cover over the tools prevents pilferage when displayed and keeps tools sparkling clean.

13 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description
1614	7/16" 12 Pt. Socket	1628	7/8" 12 Pt. Socket
1616	1/2" 12 Pt. Socket	1630	15/16" 12 Pt. Socket
1618	9/16" 12 Pt. Socket	1632	1" 12 Pt. Socket
1620	5/8" 12 Pt. Socket	1426HS	13/16" Spark Plug Socket
1622	11/16" 12 Pt. Socket	664	5-1/2" Extension
1624	3/4" 12 Pt. Socket	675	Reversible Ratchet
1626	13/16" 12 Pt. Socket		

NO. N5840 Set In Metal Box STD. PKG. 1—PKG. WT. 7.19 Lbs.

NO. 9720G Metal Box Only — 13-1/8" x 6-11/16" x 1-3/16"—Green Enamel Finish STD. PKG. 1—PKG. WT. 2.63 Lbs.

16 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description
1614	7/16" 12 Pt. Socket	1632	1" 12 Pt. Socket
1616	1/2" 12 Pt. Socket	1634	1-1/16" 12 Pt. Socket
1618	9/16" 12 Pt. Socket	1636	1-1/8" 12 Pt. Socket
1620	5/8" 12 Pt. Socket	1640	1-1/4" 12 Pt. Socket
1622	11/16" 12 Pt. Socket	664	5-1/2" Extension
1624	3/4" 12 Pt. Socket	667	15-1/2" Swing Head Handle
1626	13/16" 12 Pt. Socket	675	Reversible Ratchet
1628	7/8" 12 Pt. Socket		
1630	15/16" 12 Pt. Socket		

NO. N5841 Set In Metal Box STD. PKG. 1—PKG. WT. 10.75 Lbs.

NO. 9721G Metal Box Only — 18-1/16" x 7-1/16" x 1-13/16"—Green Enamel Finish STD. PKG. 1—PKG. WT. 3.50 Lbs.



5818



N5840



N5841

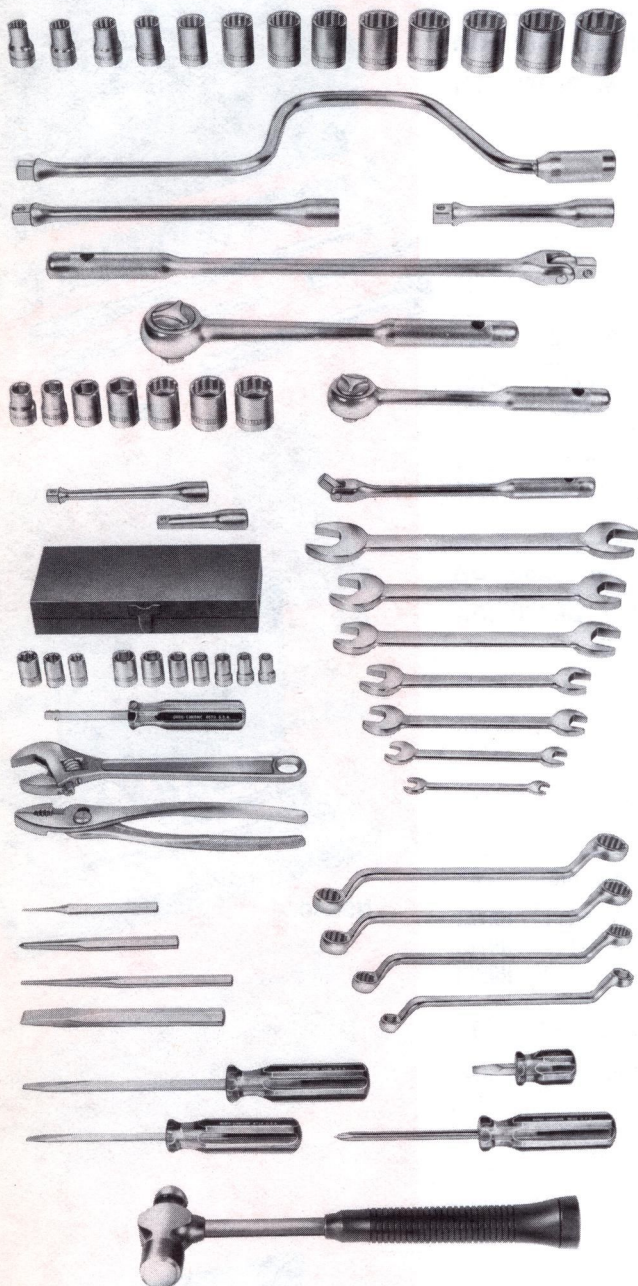


**1/4"–3/8"
1/2" SQ. DR.**

SOCKET & TOOL SET



62 PIECE TOOL SET



No.	Size & Description	No.	Size & Description
1/4" SQUARE DRIVE		1/2" SQUARE DRIVE	
4508	1/4" 6 Pt. Socket	1614	7/16" 12 Pt. Socket
4509	9/32" 6 Pt. Socket	1616	1/2" 12 Pt. Socket
4510	5/16" 6 Pt. Socket	1618	9/16" 12 Pt. Socket
4511	11/32" 6 Pt. Socket	1620	5/8" 12 Pt. Socket
4512	3/8" 6 Pt. Socket	1622	11/16" 12 Pt. Socket
4514	7/16" 6 Pt. Socket	1624	3/4" 12 Pt. Socket
4516	1/2" 6 Pt. Socket	1626	13/16" 12 Pt. Socket
4508S	1/4" 8 Pt. Socket	1628	7/8" 12 Pt. Socket
4510S	5/16" 8 Pt. Socket	1630	15/16" 12 Pt. Socket
4512S	3/8" 8 Pt. Socket	1632	1" 12 Pt. Socket
4573	6" Spinner Handle	1634	1-1/16" 12 Pt. Socket
9702G	Metal Tool Box	1636	1-1/8" 12 Pt. Socket
3/8" SQUARE DRIVE		1640	1-1/4" 12 Pt. Socket
4412H	3/8" 6 Pt. Socket	664	5-1/2" Extension
4414H	7/16" 6 Pt. Socket	665	10" Extension
4416H	1/2" 6 Pt. Socket	667	15-1/2" Swing Head Hdle.
4418H	9/16" 6 Pt. Socket	651	17-5/8" Speeder
4420	5/8" 12 Pt. Socket	675	Reversible Ratchet
4422	11/16" 12 Pt. Socket	OPEN END WRENCHES	
4424	3/4" 12 Pt. Socket	1020	1/4" x 5/16"
4430	3" Extension	1723	3/8" x 7/16"
4433	6" Extension	1725B	1/2" x 9/16"
4481	9" Swing Head Handle	1727	9/16" x 5/8"
4475	Reversible Ratchet	1029C	11/16" x 13/16"
LONG 45° BOX WRENCHES		1731A	3/4" x 7/8"
2051	3/8" x 7/16"	1033C	15/16" x 1"
2052	1/2" x 9/16"	MISCELLANEOUS TOOLS	
2053A	5/8" x 3/4"	1902	5/8" x 6" Cold Chisel
2053B	11/16" x 13/16"	1940	3/32" x 4 1/2" Pin Punch
SCREW DRIVERS		1951	1/8" x 6 1/2" Taper Punch
4714	3/16" x 4"	1971	5" Center Punch
4726	1/4" x 6"	1530-16B	16 oz. Ball Pein Hammer
4720	1/4" x 1-1/4"	2197	8" Slip Joint Plier
4682	#2 Phillips	2087A	8" Adjustable Wrench

NO. 5826 Set In Metal Box STD. PKG. 1—PKG. WT. 28.69 Lbs.

NO. 9967G Metal Box Only—19-3/4" x 7" x 8"
Green Enamel Finish STD. PKG. 1—PKG. WT. 8.00 Lbs.

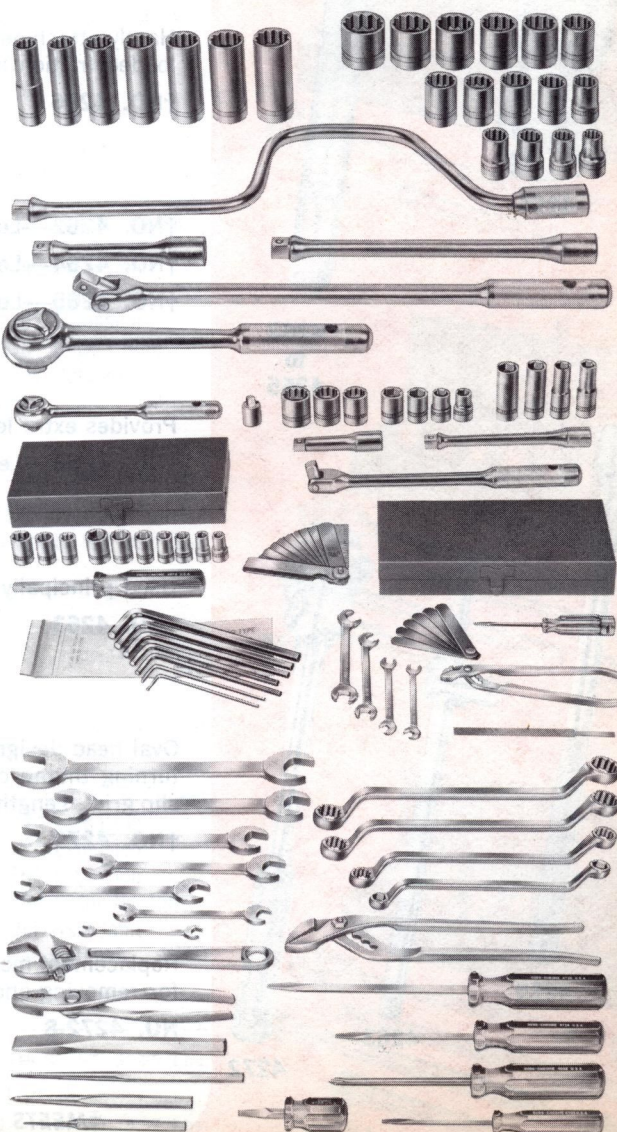
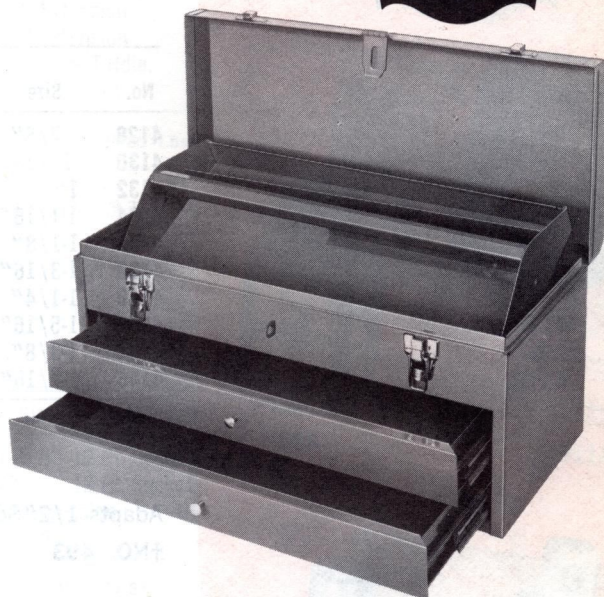
1/4" - 3/8"
1/2" SQ. DR.

SOCKET & TOOL SET



87 PIECE TOOL SET

No.	Size & Description	No.	Size & Description
1/4" SQUARE DRIVE		1/2" SQUARE DRIVE	
4508	1/4" 6 Pt. Socket	1614	7/16" 12 Pt. Socket
4509	9/32" 6 Pt. Socket	1616	1/2" 12 Pt. Socket
4510	5/16" 6 Pt. Socket	1618	9/16" 12 Pt. Socket
4511	11/32" 6 Pt. Socket	1619	19/32" 12 Pt. Socket
4512	3/8" 6 Pt. Socket	1620	5/8" 12 Pt. Socket
4514	7/16" 6 Pt. Socket	1622	11/16" 12 Pt. Socket
4516	1/2" 6 Pt. Socket	1624	3/4" 12 Pt. Socket
4508S	1/4" 8 Pt. Socket	1625	25/32" 12 Pt. Socket
4510S	5/16" 8 Pt. Socket	1626	13/16" 12 Pt. Socket
4512S	3/8" 8 Pt. Socket	1628	7/8" 12 Pt. Socket
4573	6" Spinner Handle	1630	15/16" 12 Pt. Socket
9702G	Metal Tool Box	1632	1" 12 Pt. Socket
3/8" SQUARE DRIVE		1634	1-1/16" 12 Pt. Socket
4412H	3/8" 6 Pt. Socket	1636	1-1/8" 12 Pt. Socket
4414H	7/16" 6 Pt. Socket	1640	1-1/4" 12 Pt. Socket
4416H	1/2" 6 Pt. Socket	1420	5/8" 12 Pt. Deep Skt.
4418H	9/16" 6 Pt. Socket	1422	11/16" 12 Pt. Deep Skt.
4420	5/8" 12 Pt. Socket	1424	3/4" 12 Pt. Deep Skt.
4422	11/16" 12 Pt. Socket	1426	13/16" 12 Pt. Deep Skt.
4424	3/4" 12 Pt. Socket	1428	7/8" 12 Pt. Deep Skt.
4441H	3/8" 6 Pt. Deep Skt.	1430	15/16" 12 Pt. Deep Skt.
4442H	7/16" 6 Pt. Deep Skt.	1432	1" 12 Pt. Deep Skt.
4443H	1/2" 6 Pt. Deep Skt.	664	5-1/2" Extension
4444H	9/16" 6 Pt. Deep Skt.	665	10" Extension
4481	9" Swing Head Handle	651	17-5/8" Speeder
4430	3" Extension	667	15-1/2" Swing Head Hdle.
4433	6" Extension	675	Reversible Ratchet
4475	Reversible Ratchet	IGNITION TOOLS	
491	3/8"Fx1/4"M Adaptor	182	Midget Screw Driver
OPEN END WRENCHES		168	Feeler Gauge
1020	1/4" x 5/16"	174	Ignition Point File
1723	3/8" x 7/16"	62	15/64" x 13/64" Wr.
1725B	1/2" x 9/16"	64	1/4" x 7/32" Wr.
1727	9/16" x 5/8"	66	5/16" x 9/32" Wr.
1029C	11/16" x 13/16"	67	11/32" x 3/8" Wr.
1731A	3/4" x 7/8"	2110	Ignition Plier
1033C	15/16" x 1"	9703G	Metal Tool Box
LONG 45° BOX WRENCHES		MISCELLANEOUS TOOLS	
2051	3/8" x 7/16"	166	Feeler Gauge
2052	1/2" x 9/16"	199A	7 Pc. Set Screw Wr. Set
2053A	5/8" x 3/4"	1902	5/8"x 6" Cold Chisel
2053B	11/16" x 13/16"	1940	3/32" x 4 1/4" Pin Punch
SCREW DRIVERS		1951	1/8" x 6 1/2" Taper Punch
4703	1/8" x 3-1/16"	1971	5" Center Punch
4714	3/16" x 4"	2103A	Water Pump Plier
4720	1/4" x 1-1/4"	2194	6" Utility Plier
4726	1/4" x 6"	2087A	8" Adjustable Wrench
4682	#2 Phillips		



NO. 5827 Set In Metal Tool Chest

STD. PKG. 1—PKG. WT. 42.00 Lbs.

NO. 9958 Tool Chest Only—20" x 9-1/2" x 8-5/8"
Red Enamel Finish

STD. PKG. 1—PKG. WT. 20.00 Lbs.



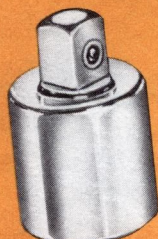
**3/4"
SQ. DR.**

SOCKETS & ATTACHMENTS

Made from **ALLOY STEEL** and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome.



**4128
to
4172**



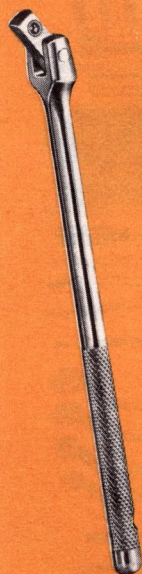
493



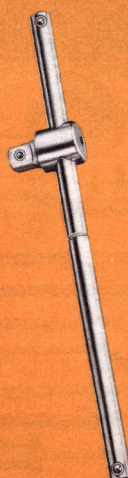
4296



**4262
to
4265**



4266



4263



4272

†12 POINT SOCKETS

No.	Size	Length	Std. Pkg. Wt. Pkg. Lbs.	No.	Size	Length	Std. Pkg. Wt. Pkg. Lbs.
4128	7/8"	1-13/16"	2 0.86	4148	1-1/2"	2-5/16"	2 2.50
4130	15/16"	1-13/16"	2 0.91	4152	1-5/8"	2-7/16"	2 2.89
4132	1"	1-13/16"	2 1.00	4154	1-11/16"	2-1/2"	2 3.30
4134	1-1/16"	1-15/16"	2 1.03	4156	1-3/4"	2-9/16"	2 3.84
4136	1-1/8"	2"	2 1.13	4158	1-13/16"	2-5/8"	2 3.68
4138	1-3/16"	2"	2 1.24	4160	1-7/8"	2-11/16"	2 3.93
4140	1-1/4"	2-1/16"	2 1.41	4164	2"	2-13/16"	2 5.40
4142	1-5/16"	2-1/8"	2 1.75	4168	2-1/8"	2-15/16"	2 6.11
4144	1-3/8"	2-3/16"	2 1.91	4170	2-3/16"	3"	2 6.45
4146	1-7/16"	2-1/4"	2 2.30	4172	2-1/4"	3-1/16"	2 6.50

ADAPTOR—3/4" Female x 1/2" Male

Adapts 1/2" Square Drive Sockets for use with 3/4" Square Drive Attachments.

†NO. 493

STD. PKG. 4—PKG. WT. 1.68 Lbs.

UNIVERSAL JOINT

Handy attachment for turning nuts and bolts in hard-to-reach work areas. Spring loaded friction holds drive end in desired position. Overall length 3-11/16".

†NO. 4296

STD. PKG. 1—PKG. WT. 1.25 Lbs.

EXTENSIONS

†NO. 4262—Length 4"

STD. PKG. 2—PKG. WT. 1.66 Lbs.

†NO. 4264—Length 8"

STD. PKG. 2—PKG. WT. 3.32 Lbs.

†NO. 4265—Length 16"

STD. PKG. 2—PKG. WT. 6.65 Lbs.

SWING HEAD HANDLE

Provides extra leverage needed to break loose those stubborn nuts and bolts.

†NO. 4266—Length 19"

STD. PKG. 1—PKG. WT. 3.64 Lbs.

SLIDE "T" HANDLE

Used principally with extensions to spin nuts on or off. Length 18".

†NO. 4263

STD. PKG. 1—PKG. WT. 3.43 Lbs.

REVERSIBLE RATCHET

Oval head design, 24 tooth ratcheting mechanism. Ratchet reverses instantly by turning thumb control lever. Round, knurled handle provides comfortable non-slip grip. Length 18".

†NO. 4272

STD. PKG. 1—PKG. WT. 5.63 Lbs.

INNER BODY ASSEMBLY

Replacement mechanism for No. 4272 Reversible Ratchet. Complete instructions for removing and installing furnished with each unit.

NO. 4272-8

STD. PKG. 1—PKG. WT. 1.88 Lbs.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-641

3/4"
SQ. DR.

SOCKET SETS

11 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
4134	1-1/16" 12 Pt. Socket	4144	1-3/8" 12 Pt. Socket	4264	8" Extension
4136	1-1/8" 12 Pt. Socket	4146	1-7/16" 12 Pt. Socket	4265	16" Extension
4140	1-1/4" 12 Pt. Socket	4148	1-1/2" 12 Pt. Socket	4263	18" Slide T Hdle.
4142	1-5/16" 12 Pt. Socket	4152	1-5/8" 12 Pt. Socket		

NO. 5911A In Metal Box STD. PKG. 1—PKG. WT. 24.63 Lbs.

NO. 9827G Metal Box Only—22-1/4" x 7-11/16" x 3-5/16"
Green Enamel Finish STD. PKG. 1—PKG. WT. 9.37 Lbs.

12 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
4136	1-1/8" 12 Pt. Socket	4146	1-7/16" 12 Pt. Socket	4160	1-7/8" 12 Pt. Socket
4140	1-1/4" 12 Pt. Socket	4148	1-1/2" 12 Pt. Socket	4164	2" 12 Pt. Socket
4142	1-5/16" 12 Pt. Socket	4152	1-5/8" 12 Pt. Socket	4264	8" Extension
4144	1-3/8" 12 Pt. Socket	4156	1-3/4" 12 Pt. Socket	4272	Rev. Ratchet

NO. 5910 In Metal Box STD. PKG. 1—PKG. WT. 27.81 Lbs.

NO. 9827G Metal Box Only—22-1/4" x 7-11/16" x 3-5/16"
Green Enamel Finish STD. PKG. 1—PKG. WT. 9.37 Lbs.

19 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
4132	1" 12 Pt. Socket	4148	1-1/2" 12 Pt. Socket	4262	4" Extension
4134	1-1/16" 12 Pt. Socket	4152	1-5/8" 12 Pt. Socket	4264	8" Extension
4136	1-1/8" 12 Pt. Socket	4154	1-11/16" 12 Pt. Socket	4265	16" Extension
4140	1-1/4" 12 Pt. Socket	4156	1-3/4" 12 Pt. Socket	4263	18" Slide T Hdle.
4142	1-5/16" 12 Pt. Socket	4158	1-13/16" 12 Pt. Socket	4272	Rev. Ratchet
4144	1-3/8" 12 Pt. Socket	4160	1-7/8" 12 Pt. Socket		
4146	1-7/16" 12 Pt. Socket	4164	2" 12 Pt. Socket		

NO. 5912 In Metal Box STD. PKG. 1—PKG. WT. 39.38 Lbs.

NO. 9827G Metal Box Only—22-1/4" x 7-11/16" x 3-5/16"
Green Enamel Finish STD. PKG. 1—PKG. WT. 9.37 Lbs.

25 PIECE SOCKET SET

No.	Size & Description	No.	Size & Description	No.	Size & Description
4128	7/8" 12 Pt. Socket	4148	1-1/2" 12 Pt. Socket	4172	2-1/4" 12 Pt. Socket
4130	15/16" 12 Pt. Socket	4152	1-5/8" 12 Pt. Socket	4262	4" Extension
4132	1" 12 Pt. Socket	4154	1-11/16" 12 Pt. Socket	4264	8" Extension
4134	1-1/16" 12 Pt. Socket	4156	1-3/4" 12 Pt. Socket	4265	16" Extension
4136	1-1/8" 12 Pt. Socket	4158	1-13/16" 12 Pt. Socket	4266	19" Swing Hd. Hdle.
4140	1-1/4" 12 Pt. Socket	4160	1-7/8" 12 Pt. Socket	4296	Universal Joint
4142	1-5/16" 12 Pt. Socket	4164	2" 12 Pt. Socket	4272	Rev. Ratchet
4144	1-3/8" 12 Pt. Socket	4168	2-1/8" 12 Pt. Socket		
4146	1-7/16" 12 Pt. Socket	4170	2-3/16" 12 Pt. Socket		

NO. 5913A Set In Metal Box STD. PKG. 1—PKG. WT. 50.25 Lbs.

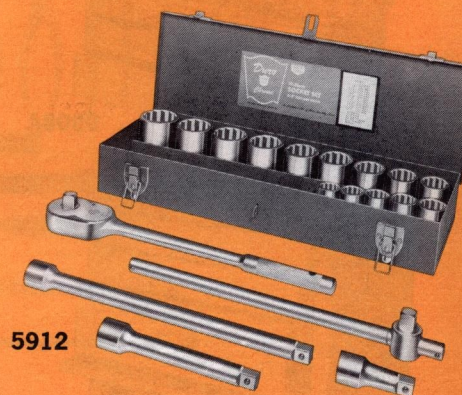
NO. 9827G Metal Box Only—22-1/4" x 7-11/16" x 3-5/16"
Green Enamel Finish STD. PKG. 1—PKG. WT. 9.37 Lbs.



5911A



5910



5912



5913A

TOOL CHESTS & CABINETS



9906A



9975



9908A



9907B



9958

Heavy gauge steel construction, double width corner posts for greater rigidity. Flange welded at critical stress points increases welded area 2 to 3 times more than conventional seams. Cap-end construction keeps chest covers square and tight. Roller cabinets have one piece bottom of extra heavy reinforced steel to increase load capacity and rigidity. Smooth working drawers glide on full-suspension slides. Nickel plated hardware; red baked-on enamel finish.

6 DRAWER CHEST

Large size chest with full size tote tray. Cover automatically locks all drawers when closed. The drawers are varied widths and depths to enable proper assorting of tools. Heavy duty glides provide smooth action when fully loaded. Most mechanics will find that this chest has ample space for all their tools. Two heavy duty side handles provide easy handling. Full length piano hinge, staked to resist pilfering; tumbler type lock with 2 keys. Fits roller cabinets shown here.

DIMENSIONS: Width 26-1/8"; depth 12-1/8"; height 15".

NO. 9906A

STD. PKG. 1—PKG. WT. 60.50 Lbs.

9 DRAWER CABINET

Designed to meet the need for extra, more flexible tool storage in plants and shops. Nine drawers, in three different sizes, are made to stay solid, square and smooth-working thru years of hard use. Heavy duty push-button lock automatically locks all drawers securely. Equipped with heavy duty, 4 inch roller bearing, wide tread casters that will move easily when fully loaded; 2 rigid casters and 2 swivel casters with brake. An excellent companion for chests shown here.

DIMENSIONS: Width 26-1/2"; depth 18-1/8"; height 34-3/4".

NO. 9975

STD. PKG. 1—PKG. WT. 150.00 Lbs.

2 DRAWER CHEST

Two drawer chest with deep till in top and lift-out tray. Cover automatically locks drawers when closed. Full length piano hinge. Large and roomy tote tray has socket set divider. Tumbler type lock with 2 keys. Fits roller cabinets shown here.

DIMENSIONS: Width 26"; depth 10"; height 11-3/4".

NO. 9908A

STD. PKG. 1—PKG. WT. 37.00 Lbs.

3 DRAWER CABINET

Handy deep drawer model with bottom compartment approximately 10" high by 23" wide provide ample space for safe storage of those large items. The 22" wide drawers are locked automatically when lower panel front is closed. Tumbler type lock with 2 keys. Mounted on 3" roller bearing, wide-tread casters; 2 rigid casters and 2 that swivel, with brakes for easy mobility. Holds chests shown here.

DIMENSIONS: Width 26-3/8"; depth 17-3/8"; height 29".

NO. 9907B

STD. PKG. 1—PKG. WT. 101.00 Lbs.

2 DRAWER CHEST

This portable, roomy chest provides space when necessary to transport. Heavy duty construction. The two draw bolts and padlock hasp provide safety when moving and security when left on the job. Cover automatically locks drawers when closed. The top handle enables one hand carrying.

DIMENSIONS: Length 20"; depth 8-1/2"; height 9-1/2".

NO. 9958

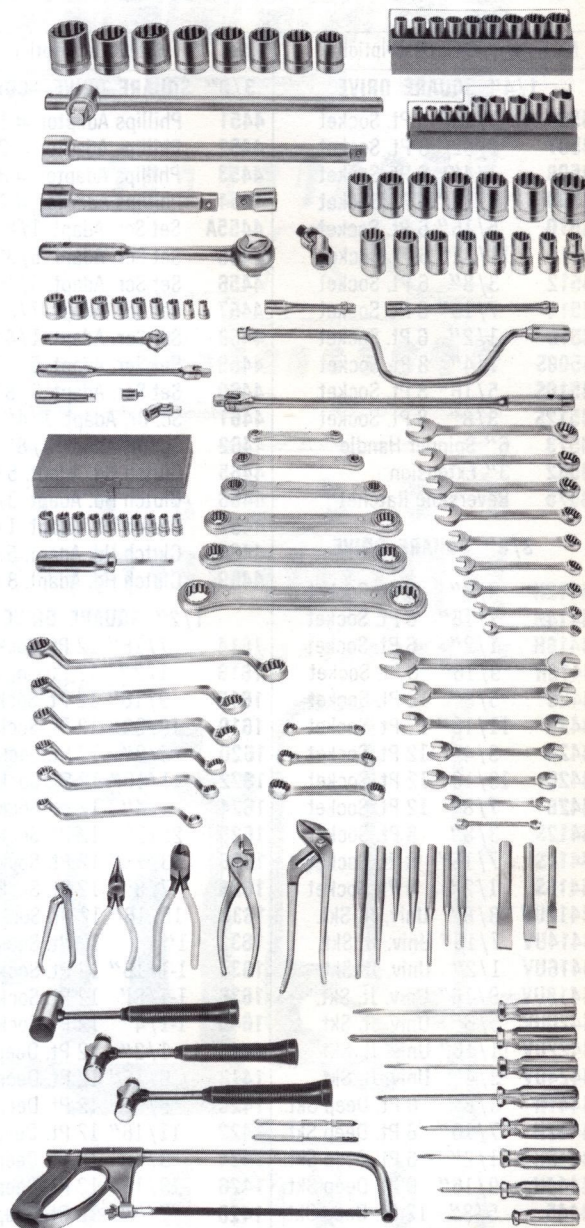
STD. PKG. 1—PKG. WT. 18.75 Lbs.

SOCKET & TOOL SET



136 PIECE SET 1/4", 3/8", 1/2" & 3/4" SQ. DRIVE

No.	Size & Description	No.	Size & Description
3/8" SQUARE DRIVE			
4412H	3/8" 6 Pt. Socket	RATCHETING BOX WRENCHES	
4414H	7/16" 6 Pt. Socket	0701	1/4" x 5/16"
4416H	1/2" 6 Pt. Socket	0702	3/8" x 7/16"
4418H	9/16" 6 Pt. Socket	0703	1/2" x 9/16"
4420	5/8" 12 Pt. Socket	0704	5/8" x 11/16"
4422	11/16" 12 Pt. Socket	0705	5/8" x 3/4"
4424	3/4" 12 Pt. Socket	0708	13/16" x 7/8"
4426	13/16" 12 Pt. Socket	OPEN END WRENCHES	
4428	7/8" 12 Pt. Socket	1020	1/4" x 5/16"
4481	9" Swing Head Handle	1723	3/8" x 7/16"
4430	3" Extension	1725B	1/2" x 9/16"
4475	Reversible Ratchet	1027	19/32" x 11/16"
4497	Universal Joint	1729	5/8" x 3/4"
491	1/4" M x 3/8" F Adaptor	1731B	13/16" x 7/8"
1/2" SQUARE DRIVE			
1614	7/16" 12 Pt. Socket	1033C	15/16" x 1"
1616	1/2" 12 Pt. Socket	COMBINATION WRENCHES	
1618	9/16" 12 Pt. Socket	2227S	1/4"
1619	19/32" 12 Pt. Socket	2228S	5/16"
1620	5/8" 12 Pt. Socket	2231S	3/8"
1622	11/16" 12 Pt. Socket	2232S	7/16"
1624	3/4" 12 Pt. Socket	2233S	1/2"
1625	25/32" 12 Pt. Socket	2234S	9/16"
1626	13/16" 12 Pt. Socket	2235S	5/8"
1628	7/8" 12 Pt. Socket	2236S	11/16"
1630	15/16" 12 Pt. Socket	2237S	3/4"
1632	1" 12 Pt. Socket	PLIERS	
1634	1-1/16" 12 Pt. Socket	2103A	Water Pump
1636	1-1/8" 12 Pt. Socket	2110	Ignition
1640	1-1/4" 12 Pt. Socket	2111	Long Nose
483	1/2" F x 3/4" M Adaptor	2107	7" Diagonal Cutting
588	Universal Joint	2197	8" Slip Joint
651	17-5/8" Speeder	SCREW DRIVERS	
664	5-1/2" Extension	4703	1/8" x 3" Square Blade
665	10" Extension	4714	3/16" x 4" Square Blade
669	18" Swing Head Handle	4726	1/4" x 6" Square Blade
675	Reversible Ratchet	4730-8	5/16" x 8" Square Blade
3/4" SQUARE DRIVE			
4134	1-1/16" 12 Pt. Socket	4681	No. 1 Pt. Phillips Type
4136	1-1/8" 12 Pt. Socket	4682	No. 2 Pt. Phillips Type
4140	1-1/4" 12 Pt. Socket	4683	No. 3 Pt. Phillips Type
4142	1-5/16" 12 Pt. Socket	4684	No. 4 Pt. Phillips Type
4144	1-3/8" 12 Pt. Socket	SCREW STARTERS	
4146	1-7/16" 12 Pt. Socket	4787	5" Slotted Type
4148	1-1/2" 12 Pt. Socket	4790	5" Phillips Type
4152	1-5/8" 12 Pt. Socket	HAMMERS	
4264	8" Extension	1530-8B	8 oz. Ball Peen
4265	16" Extension	1530-16B	16 oz. Ball Peen
4263	18" Slide T Handle	1579	16 oz. Soft Face
LONG 45° BOX WRENCHES			
2051	3/8" x 7/16"	PUNCHES & CHISELS	
2052	1/2" x 9/16"	1900	3/8" x 5" Cold Chisel
2052A	9/16" x 5/8"	1902	5/8" x 6" Cold Chisel
2053B	11/16" x 13/16"	1904	7/8" x 8" Cold Chisel
2054A	3/4" x 7/8"	1940	3/32" x 4 1/2" Pin Punch
2056	15/16" x 1"	1942	5/32" x 4 1/2" Pin Punch
SHORT 15° BOX WRENCHES			
2061	3/8" x 7/16"	1944	3/16" x 6 1/2" Pin Punch
2062	1/2" x 9/16"	1950	3/32" x 4 1/2" Taper Punch
2063A	5/8" x 3/4"	1951	1/8" x 6 1/2" Taper Punch
		1952	3/16" x 7" Taper Punch
		1971	5" Center Punch
		HACK SAW	
		9035	Adjustable—10" to 12"



CONTENTS—CONTINUED

SOCKET SETS			
5600A	1/4" Sq. Drive—11 Piece	Page 4	
5718	3/8" Sq. Drive—9 Piece Deep	Page 8	
5817	1/2" Sq. Drive—9 Piece Deep	Page 14	
NO. 5922—136 PIECE TOOL SET			
STD. PKG. 1—PKG. WT. 55.00 Lbs.			
NO. 5923—124 PIECE TOOL SET—Same as No. 5922, less 3/4" Square Drive Sockets, attachments and No. 483 Adaptor.			
STD. PKG. 1—PKG. WT. 40.00 Lbs.			

For 2 or 6 Drawer Chests and Roller Cabinets available for use with this set, see page 20.



MASTER MECHANIC'S TOOL SET

SET NO. 5924—237 PIECES

A complete set of the tools necessary to do the job better, faster and with less effort. Each DURO-CHROME tool is designed for its particular job—perfectly matched and balanced for precision work. The selection of tools furnishes the utmost in utility and variety of combinations. With DURO-CHROME tools on the job you will be inspired and they will promote customer-confidence in your workmanship.

No.	Size & Description	No.	Size & Description	No.	Size & Description	No.	Size & Description
1/4" SQUARE DRIVE		3/8" SQUARE DRIVE—CONT'D.		3/4" SQUARE DRIVE		OBSTRUCTION WRENCHES—CONT'D.	
4506	3/16" 6 Pt. Socket	4451	Phillips Adaptor #1 Pt.	4132	1" 12 Pt. Socket	1827	9/16"
4507	7/32" 6 Pt. Socket	4452	Phillips Adaptor #2 Pt.	4134	1-1/16" 12 Pt. Socket	1829	5/8"
4508	1/4" 6 Pt. Socket	4453	Phillips Adaptor #3 Pt.	4136	1-1/8" 12 Pt. Socket	1830	11/16"
4509	9/32" 6 Pt. Socket	4454	Phillips Adaptor #4 Pt.	4140	1-1/4" 12 Pt. Socket	1831	3/4"
4510	5/16" 6 Pt. Socket	4455A	Set Scr. Adapt. 1/8" Bit	4142	1-5/16" 12 Pt. Socket	FLARE NUT WRENCHES STRAIGHT PATTERN	
4511	11/32" 6 Pt. Socket	4455	Set Scr. Adapt. 5/32" Bit	4144	1-3/8" 12 Pt. Socket	368	3/8" x 7/16"
4512	3/8" 6 Pt. Socket	4456	Set Scr. Adapt. 3/16" Bit	4146	1-7/16" 12 Pt. Socket	369	1/2" x 9/16"
4514	7/16" 6 Pt. Socket	4457	Set Scr. Adapt. 7/32" Bit	4148	1-1/2" 12 Pt. Socket	370	5/8" x 3/4"
4516	1/2" 6 Pt. Socket	4458	Set Scr. Adapt. 1/4" Bit	4152	1-5/8" 12 Pt. Socket	SCREWDRIVERS	
4508S	1/4" 8 Pt. Socket	4459	Set Scr. Adapt. 5/16" Bit	4154	1-11/16" 12 Pt. Socket	4703	1/8" x 3" Sq. Blade
4510S	5/16" 8 Pt. Socket	4460	Set Scr. Adapt. 3/8" Bit	4156	1-3/4" 12 Pt. Socket	4714	3/16" x 4" Sq. Blade
4512S	3/8" 8 Pt. Socket	4461	Sc. Dr. Adapt. 1/4" Bit	4158	1-13/16" 12 Pt. Socket	4724	1/4" x 4" Sq. Blade
4573	6" Spinner Handle	4462	Sc. Dr. Adapt. 3/8" Bit	4160	1-7/8" 12 Pt. Socket	4726	1/4" x 6" Sq. Blade
4532	3" Extension	4465	Clutch Hd. Adapt. 5/32"	4164	2" 12 Pt. Socket	4728	1/4" x 8" Sq. Blade
4575	Reversible Ratchet	4466	Clutch Hd. Adapt. 3/16"	4262	4" Extension	4730-8	5/16" x 8" Sq. Blade
3/8" SQUARE DRIVE		4467	Clutch Hd. Adapt. 1/4"	4264	8" Extension	4740-10	3/8" x 10" Sq. Blade
4412H	3/8" 6 Pt. Socket	4468	Clutch Hd. Adapt. 5/16"	4265	16" Extension	4720	1/4" x 1-1/4" Sq. Blade
4414H	7/16" 6 Pt. Socket	4469	Clutch Hd. Adapt. 3/8"	4263	18" Slide T Handle	4681	#1 Pt. Phillips Head
4416H	1/2" 6 Pt. Socket	1/2" SQUARE DRIVE		4272	Reversible Ratchet	4682	#2 Pt. Phillips Head
4418H	9/16" 6 Pt. Socket	1614	7/16" 12 Pt. Socket	COMBINATION WRENCHES — SHORT HANDLE SERIES		4683	#3 Pt. Phillips Head
4420	5/8" 12 Pt. Socket	1616	1/2" 12 Pt. Socket	2227S	1/4"	4684	#4 Pt. Phillips Head
4422	11/16" 12 Pt. Socket	1618	9/16" 12 Pt. Socket	2228S	5/16"	4689	Stubby Phillips Head
4424	3/4" 12 Pt. Socket	1619	19/32" 12 Pt. Socket	2231S	3/8"	4640	5/32" x 4" Clutch Head
4426	13/16" 12 Pt. Socket	1620	5/8" 12 Pt. Socket	2232S	7/16"	4641	3/16" x 4" Clutch Head
4428	7/8" 12 Pt. Socket	1622	11/16" 12 Pt. Socket	2233S	1/2"	4642	1/4" x 6" Clutch Head
4412S	3/8" 8 Pt. Socket	1624	3/4" 12 Pt. Socket	2234S	9/16"	4772	1/4" Offset
4414S	7/16" 8 Pt. Socket	1625	25/32" 12 Pt. Socket	2235S	5/8"	4774	3/8" Offset
4416S	1/2" 8 Pt. Socket	1626	13/16" 12 Pt. Socket	2236S	11/16"	4656-12	Phillips Offset
4412UV	3/8" Univ. Jt. Skt.	1628	7/8" 12 Pt. Socket	2237S	3/4"	4787	Slot Type 5" Screw Starter
4414UV	7/16" Univ. Jt. Skt.	1630	15/16" 12 Pt. Socket	LONG HANDLE SERIES		4790	Phillips Type 5" Scr. Start.
4416UV	1/2" Univ. Jt. Skt.	1632	1" 12 Pt. Socket	3326	13/16"	MISCELLANEOUS	
4418UV	9/16" Univ. Jt. Skt.	1634	1-1/16" 12 Pt. Socket	3328	7/8"	191A	7 Pc. Hex Key Wrench Set
4420UV	5/8" Univ. Jt. Skt.	1636	1-1/8" 12 Pt. Socket	3330	15/16"	19001	15 Pc. Punch & Chisel Set
4422UV	11/16" Univ. Jt. Skt.	1640	1-1/4" 12 Pt. Socket	3332	1"	1399	6 Pc. Screw Extractor Set
4424UV	3/4" Univ. Jt. Skt.	1416	1/2" 12 Pt. Deep Skt.	3334	1-1/16"	2103A	Water Pump Plier
4441H	3/8" 6 Pt. Deep Skt.	1418	9/16" 12 Pt. Deep Skt.	3336	1-1/8"	2107	7" Diagonal Cutter
4442H	7/16" 6 Pt. Deep Skt.	1420	5/8" 12 Pt. Deep Skt.	3340	1-1/4"	2111	6" Long Nose Plier
4443H	1/2" 6 Pt. Deep Skt.	1422	11/16" 12 Pt. Deep Skt.	SHORT 45° BOX WRENCHES		2196	6" Slip Joint Plier
4444H	9/16" 6 Pt. Deep Skt.	1424	3/4" 12 Pt. Deep Skt.	2041	3/8" x 7/16"	2197	8" Slip Joint Plier
4445	5/8" 12 Pt. Deep Skt.	1426	13/16" 12 Pt. Deep Skt.	2042	1/2" x 9/16"	2141	Hose Clamp Plier
4446	11/16" 12 Pt. Deep Skt.	1428	7/8" 12 Pt. Deep Skt.	2043A	5/8" x 3/4"	2112	Lock Ring Plier
4447	3/4" 12 Pt. Deep Skt.	1430	15/16" 12 Pt. Deep Skt.	RATCHETING BOX WRENCHES		1711	11 Pc. Ignition Wrench Set
4448	13/16" 12 Pt. Deep Skt.	1432	1" 12 Pt. Deep Skt.	0701	1/4" x 5/16"	1530-4B	4 oz. Ball Peen Hammer
4449	7/8" 12 Pt. Deep Skt.	1434	1-1/16" 12 Pt. Deep Skt.	0702	3/8" x 7/16"	1530-8B	8 oz. Ball Peen Hammer
4445HS	5/8" Sp. Pg. Hold. Skt.	1436	1-1/8" 12 Pt. Deep Skt.	0703	1/2" x 9/16"	1530-16B	16 oz. Ball Peen Hammer
4448HS	13/16" Sp. Pg. Hold. Skt.	1440	1-1/4" 12 Pt. Deep Skt.	0704	5/8" x 11/16"	1579	16 oz. Soft Face Hammer
4430	3" Extension	1426HS	13/16" Sp. Pg. Hold. Skt.	0705	5/8" x 3/4"	8095	Torq. Wr.—1/2" Dr.— 150 Ft. Lbs.
4433	6" Extension	588	Universal Joint	0708	13/16" x 7/8"	225	Master Feeler Gauge
4435	12" Extension	669	18" Swing Hd. Handle	OBSTRUCTION WRENCHES		851	Wire Brush
4497	Universal Joint	662	2-7/16" Extension	1821	3/8"	9035	Hack Saw
4485	16-1/2" Speeder	664	5-1/2" Extension	1823	7/16"	5510	10" Circular Snip
4481	9" Swing Hd. Hdle.	665	10" Extension	1825	1/2"		
4475	Reversible Ratchet	661	20" Extension				
4463	Slide T Handle	651	17-5/8" Speeder				
		675	Reversible Ratchet				

NO. 5924—237 PIECE TOOL SET

NO. 5925—218 PIECE TOOL SET (Same as above less 3/4" Square Drive Sockets & Attachments.)

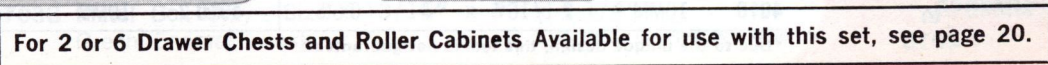
STD. PKG. 1—PKG. WT. 98.00 Lbs.

& Attachments.)

STD. PKG. 1—PKG. WT. 66.00 Lbs.

Duro
TOOLS
OF
PROGRESS
Chrome

Duro
TOOLS
OF
PROGRESS
Chrome

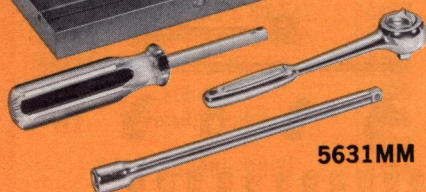


1/4" & 3/8"
SQ. DR.

METRIC SOCKETS & SETS



**4583
to
4593**



5631MM



**46007
to
46009**



**46010
to
46024**



**46009HD
to
46019HD**



**409UV
to
417UV**



**4004
to
4010**

Made of fine quality steel and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome. (Hollow head set screw adaptor bits have black penetrate finish).

1/4" SQUARE DRIVE SOCKETS—6 POINT

No.	Metric Opening	Lgth. MM	Lgth. In.	Std. Pkg.	Pkg. Wt. Lbs.	No.	Metric Opening	Lgth. MM	Lgth. In.	Std. Pkg.	Pkg. Wt. Lbs.
4583	4MM	24	15/16"	6	0.13	4589	9MM	24	15/16"	6	0.25
4584	5MM	24	15/16"	6	0.13	4590	10MM	24	15/16"	6	0.25
4585	5.5MM	24	15/16"	6	0.13	4591	11MM	24	15/16"	6	0.25
4586	6MM	24	15/16"	6	0.13	4592	12MM	24	15/16"	6	0.25
4587	7MM	24	15/16"	6	0.13	4593	13MM	24	15/16"	6	0.25
4588	8MM	24	15/16"	6	0.13						

10 PIECE SOCKET SET—1/4" SQUARE DRIVE

No.	Size & Description	No.	Size & Description	No.	Size & Description
4583	4MM 6 Pt. Skt.	4588	8MM 6 Pt. Skt.	4593	13MM 6 Pt. Skt.
4584	5MM 6 Pt. Skt.	4589	9MM 6 Pt. Skt.	4533	6" Extension
4585	5.5MM 6 Pt. Skt.	4590	10MM 6 Pt. Skt.	4573	6" Spinner Handle
4586	6MM 6 Pt. Skt.	4591	11MM 6 Pt. Skt.	4575	Reversible Ratchet
4587	7MM 6 Pt. Skt.	4592	12MM 6 Pt. Skt.		

NO. 5631MM Set In Metal Box

STD. PKG. 1—PKG. WT. 1.10 Lbs.

NO. 9702G Metal Box Only—Size 6-13/16" x 3" x 1-1/4"

Green Enamel Finish

STD. PKG. 1—PKG. WT. 0.66 Lb.

3/8" SQUARE DRIVE SOCKETS—6 & 12 POINT

No.	Metric Opening	Length MM	Length Inches	Pkg. Wt. Lbs.	No.	Metric Opening	Length MM	Length Inches	Pkg. Wt. Lbs.
6 POINT					12 POINT				
46007	7MM	27	1-1/16"	0.25	46014	14MM	28.5	1-1/8"	0.46
46008	8MM	27	1-1/16"	0.31	46015	15MM	28.5	1-1/8"	0.54
46009	9MM	27	1-1/16"	0.34	46016	16MM	28.5	1-1/8"	0.60
46010	10MM	27	1-1/16"	0.34	46017	17MM	28.5	1-1/8"	0.68
46011	11MM	27	1-1/16"	0.34	46018	18MM	28.5	1-1/8"	0.74
46012	12MM	27	1-1/16"	0.36	46019	19MM	28.5	1-1/8"	0.81
46013	13MM	27	1-1/16"	0.38	46022	22MM	31.5	1-1/4"	1.38
					46024	24MM	38.0	1-1/2"	2.33

STD. PKG. 6

3/8" SQUARE DRIVE DEEP SOCKETS—6 POINT

No.	Metric Opening	Length MM	Length Inches	Pkg. Wt. Lbs.	No.	Metric Opening	Length MM	Length Inches	Pkg. Wt. Lbs.
46009HD	9MM	52.388	2-1/16"	0.64	46015HD	15MM	52.388	2-1/16"	1.10
46010HD	10MM	52.388	2-1/16"	0.87	46016HD	16MM	63.500	2-1/2"	1.31
46011HD	11MM	52.388	2-1/16"	0.88	46017HD	17MM	63.500	2-1/2"	1.40
46012HD	12MM	52.388	2-1/16"	0.89	46018HD	18MM	63.500	2-1/2"	1.50
46013HD	13MM	52.388	2-1/16"	0.91	46019HD	19MM	63.500	2-1/2"	1.79
46014HD	14MM	52.388	2-1/16"	1.00					

STD. PKG. 6

3/8" SQUARE DRIVE UNIVERSAL JOINT SOCKETS

No.	Metric Opening	Lgth. MM	Lgth. In.	Std. Pkg.	Pkg. Wt. Lbs.	No.	Metric Opening	Lgth. MM	Lgth. In.	Std. Pkg.	Pkg. Wt. Lbs.
409UV	9MM	41.275	1-5/8"	2	0.25	414UV	14MM	47.625	1-7/8"	2	0.41
410UV	10MM	41.275	1-5/8"	2	0.30	415UV	15MM	50.800	2"	2	0.43
411UV	11MM	41.275	1-5/8"	2	0.35	416UV	16MM	50.800	2"	2	0.50
412UV	12MM	41.275	1-5/8"	2	0.40	417UV	17MM	52.388	2-1/6"	2	0.55
413UV	13MM	41.275	1-5/8"	2	0.41						

*3/8" SQUARE DRIVE HOLLOW HEAD SET SCREW ADAPTORS

No.	Bit Size	Length Inches	Std. Pkg.	Pkg. Wt. Lbs.	No.	Bit Size	Std. Pkg.	Pkg. Wt. Lbs.
COMPLETE TOOL					BIT ONLY			
4004	4MM	2-1/16"	4	0.40	4004-2	4MM	4	0.07
4005	5MM	2-1/16"	4	0.43	4005-2	5MM	4	0.10
4006	6MM	2-1/16"	4	0.45	4006-2	6MM	4	0.14
4008	8MM	2-1/16"	4	0.51	4008-2	8MM	4	0.20
4010	10MM	2-1/16"	4	0.60	4010-2	10MM	4	0.28

*Due to the unique design, this tool is not guaranteed.

3/8"
SQ. DR.

METRIC SOCKET SETS

Made of fine quality steel and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome.



8 PIECE SOCKET SET

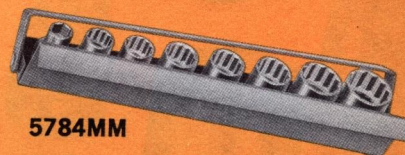
No.	Size & Description	No.	Size & Description	No.	Size & Description
46008	8MM 6 Pt. Skt.	46012	12MM 12 Pt. Skt.	46017	17MM 12 Pt. Skt.
46010	10MM 12 Pt. Skt.	46013	13MM 12 Pt. Skt.	46019	19MM 12 Pt. Skt.
46011	11MM 12 Pt. Skt.	46014	14MM 12 Pt. Skt.		

NO. 5784MM Set In Metal Tray

STD. PKG. 1—PKG. WT. 0.94 Lb.

NO. 9841G Metal Tray Only—Green Enamel Finish

STD. PKG. 1—PKG. WT. 0.50 Lb.



5784MM

15 PIECE SOCKET SET

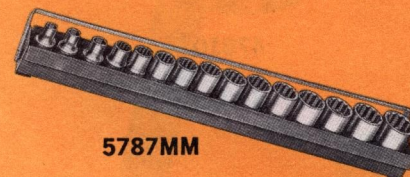
46007	7MM 6 Pt. Skt.	46012	12MM 12 Pt. Skt.	46017	17MM 12 Pt. Skt.
46008	8MM 6 Pt. Skt.	46013	13MM 12 Pt. Skt.	46018	18MM 12 Pt. Skt.
46009	9MM 6 Pt. Skt.	46014	14MM 12 Pt. Skt.	46019	19MM 12 Pt. Skt.
46010	10MM 12 Pt. Skt.	46015	15MM 12 Pt. Skt.	46022	22MM 12 Pt. Skt.
46011	11MM 12 Pt. Skt.	46016	16MM 12 Pt. Skt.	46024	24MM 12 Pt. Skt.

NO. 5787MM Set In Metal Tray

STD. PKG. 1—PKG. WT. 2.39 Lbs.

NO. 9847G Metal Tray Only—Green Enamel Finish

STD. PKG. 1—PKG. WT. 0.75 Lb.



5787MM

19 PIECE SOCKET SET

46007	7MM 6 Pt. Skt.	46014	14MM 12 Pt. Skt.	46024	24MM 12 Pt. Skt.
46008	8MM 6 Pt. Skt.	46015	15MM 12 Pt. Skt.	4448HS	14MM (13/16") 6 Pt. Spark Plug Socket
46009	9MM 6 Pt. Skt.	46016	16MM 12 Pt. Skt.	4433	6" Extension
46010	10MM 12 Pt. Skt.	46017	17MM 12 Pt. Skt.	4481	9" Swing Head Hdle.
46011	11MM 12 Pt. Skt.	46018	18MM 12 Pt. Skt.	4475	Reversible Ratchet
46012	12MM 12 Pt. Skt.	46019	19MM 12 Pt. Skt.		
46013	13MM 12 Pt. Skt.	46022	22MM 12 Pt. Skt.		

NO. 5788MM Set In Metal Box

STD. PKG. 1—PKG. WT. 5.63 Lbs.

NO. 9713G Metal Box Only—15-3/4" x 4-1/8" x 1-13/16"
Green Enamel Finish

STD. PKG. 1—PKG. WT. 2.25 Lbs.



5788MM

11 PIECE DEEP SOCKET SET

46009HD	9MM 6 Pt. Dp. Skt.	46013HD	13MM 6 Pt. Dp. Skt.	46017HD	17MM 6 Pt. Dp. Skt.
46010HD	10MM 6 Pt. Dp. Skt.	46014HD	14MM 6 Pt. Dp. Skt.	46018HD	18MM 6 Pt. Dp. Skt.
46011HD	11MM 6 Pt. Dp. Skt.	46015HD	15MM 6 Pt. Dp. Skt.	46019HD	19MM 6 Pt. Dp. Skt.
46012HD	12MM 6 Pt. Dp. Skt.	46016HD	16MM 6 Pt. Dp. Skt.		

NO. 5791MM Set In Metal Box

STD. PKG. 1—PKG. WT. 3.25 Lbs.

NO. 9707G Metal Box Only—Size 9-3/8" x 3-3/16" x 1-7/16"
Green Enamel Finish

STD. PKG. 1—PKG. WT. 1.00 Lb.



5791MM

9 PIECE UNIVERSAL JOINT SOCKET SET

409UV	9MM 6 Pt. Univ. Skt.	412UV	12MM 6 Pt. Univ. Skt.	415UV	15MM 6 Pt. Univ. Skt.
410UV	10MM 6 Pt. Univ. Skt.	413UV	13MM 6 Pt. Univ. Skt.	416UV	16MM 6 Pt. Univ. Skt.
411UV	11MM 6 Pt. Univ. Skt.	414UV	14MM 6 Pt. Univ. Skt.	417UV	17MM 6 Pt. Univ. Skt.

NO. 5789MM Set In Metal Box

STD. PKG. 1—PKG. WT. 2.00 Lbs.

NO. 9703G Metal Box Only—Size 6-13/16" x 3" x 1-1/4"
Green Enamel Finish

STD. PKG. 1—PKG. WT. 0.66 Lb.



5789MM



**1/2"
SQ. DR.**

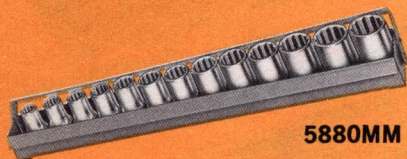
METRIC SOCKETS & SETS

Made from **FINE QUALITY STEEL** and heat treated for extra strength. Polished to a mirror finish and completely plated in a rich deep chrome.

1/2" SQUARE DRIVE SOCKETS—12 POINT



**47010
to
47036**



5880MM



5885MM



5887MM

No.	Metric Opening MM.	Length MM.	Length	Pkg. Wt. Lbs.	No.	Metric Opening MM.	Length MM.	Length	Pkg. Wt. Lbs.
47010	10	38.10	1-1/2"	.66	47022	22	42.07	1-21/32"	1.54
47011	11	38.10	1-1/2"	.66	47023	23	42.07	1-21/32"	1.73
47012	12	38.10	1-1/2"	.63	47024	24	42.07	1-21/32"	1.83
47013	13	38.10	1-1/2"	.63	47025	25	42.07	1-21/32"	2.06
47014	14	39.69	1-9/16"	.72	47026	26	42.07	1-21/32"	2.13
47015	15	39.69	1-9/16"	.88	47027	27	42.07	1-21/32"	2.25
47016	16	39.69	1-9/16"	.89	47028	28	42.07	1-21/32"	2.44
47017	17	39.69	1-9/16"	.93	47029	29	42.07	1-21/32"	2.61
47018	18	39.69	1-9/16"	.89	47030	30	42.07	1-21/32"	2.98
47019	19	39.69	1-9/16"	1.07	47032	32	42.07	1-21/32"	3.00
47020	20	41.28	1-5/8"	1.24	47036	36	46.07	1-27/32"	5.00
47021	21	41.28	1-5/8"	1.46					

STD. PKG. 6

13 PIECE SOCKET SET—1/2" SQUARE DRIVE

No.	Size & Description	No.	Size & Description	No.	Size & Description
47010	10MM 12 Pt. Skt.	47015	15MM 12 Pt. Skt.	47020	20MM 12 Pt. Skt.
47011	11MM 12 Pt. Skt.	47016	16MM 12 Pt. Skt.	47021	21MM 12 Pt. Skt.
47012	12MM 12 Pt. Skt.	47017	17MM 12 Pt. Skt.	47022	22MM 12 Pt. Skt.
47013	13MM 12 Pt. Skt.	47018	18MM 12 Pt. Skt.		
47014	14MM 12 Pt. Skt.	47019	19MM 12 Pt. Skt.		

NO. 5880MM Set In Metal Tray

STD. PKG. 1—PKG. WT. 2.94 Lbs.

NO. 9843G Metal Tray Only—Green Enamel Finish

STD. PKG. 1—PKG. WT. 0.75 Lb.

18 PIECE SOCKET SET—1/2" SQUARE DRIVE

47010	10MM 12 Pt. Skt.	47016	16MM 12 Pt. Skt.	47022	22MM 12 Pt. Skt.
47011	11MM 12 Pt. Skt.	47017	17MM 12 Pt. Skt.	47023	23MM 12 Pt. Skt.
47012	12MM 12 Pt. Skt.	47018	18MM 12 Pt. Skt.	47024	24MM 12 Pt. Skt.
47013	13MM 12 Pt. Skt.	47019	19MM 12 Pt. Skt.	664	5 1/2" Extension
47014	14MM 12 Pt. Skt.	47020	20MM 12 Pt. Skt.	667	15 1/2" Swing Head Hdle.
47015	15MM 12 Pt. Skt.	47021	21MM 12 Pt. Skt.	675	Reversible Ratchet

NO. 5885MM Set In Metal Box

STD. PKG. 1—PKG. WT. 8.19 Lbs.

NO. 9713G Metal Box Only—15-3/4" x 4-1/8" x 1-13/16"
Green Enamel Finish

STD. PKG. 1—PKG. WT. 2.25 Lbs.

27 PIECE SOCKET SET—1/2" SQUARE DRIVE

47010	10MM 12 Pt. Skt.	47019	19MM 12 Pt. Skt.	47028	28MM 12 Pt. Skt.
47011	11MM 12 Pt. Skt.	47020	20MM 12 Pt. Skt.	47029	29MM 12 Pt. Skt.
47012	12MM 12 Pt. Skt.	47021	21MM 12 Pt. Skt.	47030	30MM 12 Pt. Skt.
47013	13MM 12 Pt. Skt.	47022	22MM 12 Pt. Skt.	47032	32MM 12 Pt. Skt.
47014	14MM 12 Pt. Skt.	47023	23MM 12 Pt. Skt.	47036	36MM 12 Pt. Skt.
47015	15MM 12 Pt. Skt.	47024	24MM 12 Pt. Skt.	664	5 1/2" Extension
47016	16MM 12 Pt. Skt.	47025	25MM 12 Pt. Skt.	665	10" Extension
47017	17MM 12 Pt. Skt.	47026	26MM 12 Pt. Skt.	667	15 1/2" Swing Head Hdle.
47018	18MM 12 Pt. Skt.	47027	27MM 12 Pt. Skt.	675	Reversible Ratchet

NO. 5887MM Set In Metal Box

STD. PKG. 1—PKG. WT. 16.75 Lbs.

NO. 9549G Metal Box Only—19" x 7-1/2" x 6-1/2"
Green Enamel Finish

STD. PKG. 1—PKG. WT. 7.12 Lbs.

3/8" & 1/2" SQ. DR.

IMPACT SOCKETS & ATTACHMENTS

ALLOY STEEL sockets and fittings for power nut running and impact tools. Sockets are six point, "hot broached," straight wall design with ample bevel on nose for easy application. Holes drilled for locking pin in drive tang. Black pentrate finish.

3/8" SQUARE DRIVE SOCKETS

†6 Point Sockets

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.	No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
4360	5/16"	1-3/16"	6	0.34	4368	9/16"	1-1/4"	6	0.68
4362	3/8"	1-3/16"	6	0.37	4370	5/8"	1-1/4"	6	0.87
4364	7/16"	1-3/16"	6	0.40	4372	11/16"	1-1/4"	6	1.00
4366	1/2"	1-3/16"	6	0.56	4374	3/4"	1-1/4"	6	1.37

3/8" SQUARE DRIVE EXTENSIONS

†NO. 4355—3" Length STD. PKG. 4—PKG. WT. 1.00 Lb.
†NO. 4356—6" Length STD. PKG. 4—PKG. WT. 1.75 Lbs.

ADAPTOR—3/8" Female x 1/2" Male

Adapts 1/2" Square Drive Sockets for use with 3/8" Square Drive attachments. Length 1-3/8".

†NO. 4350 STD. PKG. 4—PKG. WT. 0.75 Lb.

8 PIECE SOCKET SET

No.	Size	No.	Size	No.	Size	No.	Size
4360	5/16"	4364	7/16"	4368	9/16"	4372	11/16"
4362	3/8"	4366	1/2"	4370	5/8"	4374	3/4"

NO. 5760 Set In Metal Tray STD. PKG. 1—PKG. WT. 1.25 Lbs.
NO. 9839G Metal Tray Only STD. PKG. 1—PKG. WT. 0.50 Lb.

1/2" SQUARE DRIVE SOCKETS AND ATTACHMENTS

†6 Point Sockets

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.	No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
1164	7/16"	1-1/2"	6	0.93	1176	13/16"	1-1/2"	6	1.93
1166	1/2"	1-1/2"	6	0.93	1178	7/8"	1-1/2"	6	2.12
1168	9/16"	1-1/2"	6	0.93	1180	15/16"	1-3/4"	6	2.68
1169	19/32"	1-1/2"	6	1.06	1182	1"	1-3/4"	6	2.93
1170	5/8"	1-1/2"	6	1.12	1184	1-1/16"	1-3/4"	6	3.37
1172	11/16"	1-1/2"	6	1.31	1186	1-1/8"	1-3/4"	6	3.43
1174	3/4"	1-1/2"	6	1.37	1190	1-1/4"	1-3/4"	6	3.75
1175	25/32"	1-1/2"	6	1.75					

†6 POINT DEEP SOCKETS—1/2" SQUARE DRIVE

1142	7/16"	3-1/4"	6	2.47	1146	11/16"	3-1/4"	6	3.01
1143	1/2"	3-1/4"	6	2.23	1147	3/4"	3-1/4"	6	3.19
1144	9/16"	3-1/4"	6	2.05	1148	13/16"	3-1/4"	6	3.79
1145	5/8"	3-1/4"	6	2.35	1149	7/8"	3-1/2"	6	4.70

†1/2" SQUARE DRIVE UNIVERSAL JOINT SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.	No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
1166UV	1/2"	2-3/8"	2	1.60	1172UV	11/16"	2-5/8"	2	1.85
1168UV	9/16"	2-7/16"	2	1.70	1174UV	3/4"	2-23/32"	2	1.90
1170UV	5/8"	2-7/16"	2	1.80					

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-660



4360
4362



4364
to
4374



4355
4356



4350



5760



1164
1166



1168
to
1190



1142
to
1149



1166UV
to
1174UV

**1/2"
SQ. DR.**

IMPACT SOCKET ATTACHMENTS & SETS



1155
1156



1163



1198
1199



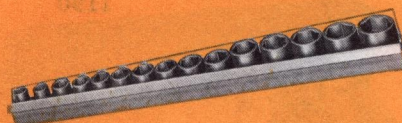
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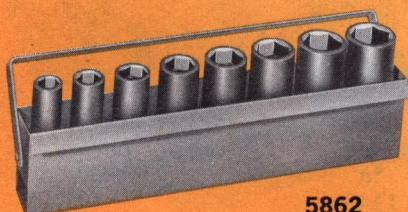
1196



5860



5861



5862

ALLOY STEEL sockets and fittings for power nut running and impact tools. Sockets are six point, "hot broached," straight wall design with ample bevel on nose for easy application. Holes drilled for locking pin in drive tang. Black pentrate finish.

EXTENSIONS—1/2" SQUARE DRIVE

†NO. 1155—5" Length

STD. PKG. 4—PKG. WT. 1.95 Lbs.

†NO. 1156—10" Length

STD. PKG. 4—PKG. WT. 3.74 Lbs.

UNIVERSAL JOINT—1/2" SQUARE DRIVE

For use with 1/2" Square Drive Sockets to reach into restricted areas.

†NO. 1163

STD. PKG. 2—PKG. WT. 0.80 Lb.

ADAPTORS

NO. 1198—1/2"F x 3/8"M. Length 1-1/2".

STD. PKG. 4—PKG. WT. 0.52 Lb.

NO. 1199—1/2"F x 3/4"M. Length 1-13/16".

STD. PKG. 4—PKG. WT. 1.60 Lbs.

WHEEL LUG SOCKET

Made with two size openings, a 3/4" single hexagon opening at one end and 13/16" at the other. Socket length is 2-3/16"; diameter 1-3/16". Use with No. 1196 Extension listed below.

NO. 1195

STD. PKG. 4—PKG. WT. 0.93 Lb.

LUG SOCKET EXTENSION

Extension for use with wheel lug socket. Length 2-5/8".

†NO. 1196

STD. PKG. 4—PKG. WT. 3.00 Lbs.

1/2" SQUARE DRIVE SOCKET SETS

10 PIECE SOCKET SET IN TRAY

No.	Size	No.	Size	No.	Size	No.	Size
1164	7/16"	1170	5/8"	1176	13/16"	1182	1"
1166	1/2"	1172	11/16"	1178	7/8"		
1168	9/16"	1174	3/4"	1180	15/16"		

NO. 5860 Set In Metal Tray

STD. PKG. 1—PKG. WT. 6.13 Lbs.

NO. 9840G Metal Tray Only

STD. PKG. 1—PKG. WT. 1.00 Lb.

15 PIECE SOCKET SET IN TRAY

1164	7/16"	1170	5/8"	1176	13/16"	1184	1-1/16"
1166	1/2"	1172	11/16"	1178	7/8"	1186	1-1/8"
1168	9/16"	1174	3/4"	1180	15/16"	1190	1-1/4"
1169	19/32"	1175	25/32"	1182	1"		

NO. 5861 Set In Metal Tray

STD. PKG. 1—PKG. WT. 8.75 Lbs.

NO. 9883G Metal Tray Only

STD. PKG. 1—PKG. WT. 1.37 Lbs.

8 PIECE DEEP SOCKET SET IN TRAY

1142	7/16"	1144	9/16"	1146	11/16"	1148	13/16"
1143	1/2"	1145	5/8"	1147	3/4"	1149	7/8"

NO. 5862 Set In Metal Tray

STD. PKG. 1—PKG. WT. 3.56 Lbs.

NO. 9842G Metal Tray Only

STD. PKG. 1—PKG. WT. 1.00 Lb.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-660

3/4" SQ. DR. IMPACT SOCKETS & ATTACHMENTS

ALLOY STEEL sockets and fittings for power nut running and impact tools. Sockets are six point, "hot broached," straight wall design with ample bevel on nose for easy application. Designed for use with Retaining Pin and "O" Rings for positive locking action. Black pentrate finish.

†6 POINT STANDARD SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.	No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
3918	9/16"	1-3/4"	2	0.90	3934	1-1/16"	2"	2	1.62
3920	5/8"	1-3/4"	2	1.24	3936	1-1/8"	2-1/8"	2	1.80
3922	11/16"	1-3/4"	2	1.24	3938	1-3/16"	2-1/8"	2	2.00
3924	3/4"	1-3/4"	2	1.24	3940	1-1/4"	2-1/8"	2	2.00
3926	13/16"	1-7/8"	2	1.40	3942	1-5/16"	2-1/4"	2	2.26
3928	7/8"	1-7/8"	2	1.40	3944	1-3/8"	2-1/4"	2	2.40
3930	15/16"	1-7/8"	2	1.40	3946	1-7/16"	2-1/4"	2	2.60
3932	1"	2"	2	1.40	3948	1-1/2"	2-1/4"	2	2.88

†6 POINT DEEP SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.	No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
3918D	9/16"	3-1/4"	2	2.22	3934D	1-1/16"	3 1/4"	2	2.88
3920D	5/8"	3-1/4"	2	2.22	3936D	1-1/8"	3-1/2"	2	3.00
3922D	11/16"	3-1/4"	2	2.66	3938D	1-3/16"	3-1/2"	2	3.00
3924D	3/4"	3-1/4"	2	2.66	3940D	1-1/4"	3-1/2"	2	3.25
3926D	13/16"	3-1/4"	2	2.66	3942D	1-5/16"	3-1/2"	2	3.25
3928D	7/8"	3-1/4"	2	2.88	3944D	1-3/8"	3-1/2"	2	3.25
3930D	15/16"	3-1/4"	2	2.88	3946D	1-7/16"	3-1/2"	2	4.66
3932D	1"	3-1/4"	2	2.88	3948D	1-1/2"	3-1/2"	2	4.75

UNIVERSAL JOINT

Short coupled unit that swivels approximately 30° in either direction. Spring loaded, holds drive end at desired position. Male and female.

†NO. 3996—Length 3-5/32"

STD. PKG. 1—PKG. WT. 0.80 Lb.

ADAPTOR—3/4" Female x 1/2" Male

Adapts 1/2" square drive impact sockets for use with 3/4" square drive attachments. Length 2-1/16".

NO. 3998

STD. PKG. 4—PKG. WT. 2.80 Lbs.

EXTENSIONS

†NO. 3964—Length 7"

STD. PKG. 2—PKG. WT. 3.00 Lbs.

†NO. 3966—Length 10"

STD. PKG. 2—PKG. WT. 5.88 Lbs.

RETAINER PIN

For use with 3/4" Square Drive Impact Sockets. Made from alloy steel.

NO. 3901—Length 1-1/2"

STD. PKG. 12—PKG. WT. 0.12 Lb.

"O" RING

Holds retainer pin in 3/4" Square Drive Impact Sockets. Oil resistant neoprene.

NO. 3902—Diameter 1-7/16"

STD. PKG. 12—PKG. WT. 0.12 Lb.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-660



3918
to
3948



3918D
to
3928D



3930D
to
3936D



3938D
to
3948D



3996



3998



3964
3966



3901



3902

1" SQ. DRIVE IMPACT SOCKETS & ATTACHMENTS

Duro
TOOLS
PROGRESS
Chrome

ALLOY STEEL sockets and fittings for power nut running and impact tools. Sockets are six point, "hot broached," straight wall design with ample bevel on nose for easy application. Holes drilled for locking pin in drive tang. Black penetrate finish.

†6 POINT SOCKETS

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.	No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
2928	7/8"	2-1/4"	2	2.50	2948	1-1/2"	2-1/2"	2	4.75
2930	15/16"	2-1/4"	2	2.75	2950	1-9/16"	2-1/2"	2	4.88
2932	1"	2-3/8"	2	2.75	2952	1-5/8"	2-1/2"	2	5.13
2934	1-1/16"	2-3/8"	2	2.75	2954	1-11/16"	2-5/8"	2	6.50
2936	1-1/8"	2-3/8"	2	4.00	2956	1-3/4"	2-5/8"	2	6.75
2938	1-3/16"	2-1/2"	2	4.00	2958	1-13/16"	2-5/8"	2	6.75
2940	1-1/4"	2-1/2"	2	4.00	2960	1-7/8"	2-3/4"	2	7.13
2942	1-5/16"	2-1/2"	2	4.37	2962	1-15/16"	2-3/4"	2	8.50
2944	1-3/8"	2-1/2"	2	4.50	2964	2"	2-7/8"	2	8.75
2946	1-7/16"	2-1/2"	2	4.75					

EXTENSION

For use with 1" Square Drive Impact Sockets.

NO. 2981—Length 7"

STD. PKG. 2—PKG. WT. 6.75 Lbs.

UNIVERSAL JOINT

For use with 1" Square Drive Impact Sockets. Short coupled unit that swivels approximately 30° in either direction. Length 4-3/8". O. D. 2-3/8".

NO. 2987

STD. PKG. 1—PKG. WT. 2.56 Lbs.

ADAPTORS

For 1" Square Drive Impact Sockets.

NO. 2990—3/4" Female x 1" Male. Length 2-1/2".

STD. PKG. 2—PKG. WT. 1.76 Lbs.

NO. 2991—1" Female x 3/4" Male. Length 3".

STD. PKG. 2—PKG. WT. 3.00 Lbs.

BUDD WHEEL LUG SOCKETS—SQUARE & HEX OPENINGS

Designed for removal of all Budd type wheels. Nos. 2908 and 2910 have two openings, 13/16" Sq. and 1-1/2" Hex in the same socket, eliminating the need of two separate sockets.

NO. 2908—Length 4"

STD. PKG. 2—PKG. WT. 6.25 Lbs.

NO. 2910—Length 9"

STD. PKG. 2—PKG. WT. 12.88 Lbs.

BUDD WHEEL LUG SOCKET—SQUARE OPENING

This socket with a 13/16" square end opening is designed primarily for checking the tightness of installed wheels. Can be used with either of the 1-1/2" Hex opening sockets to tighten the square-ended Budd stud separately.

NO. 2912—Length 4"

STD. PKG. 2—PKG. WT. 3.00 Lbs.

RETAINER PIN

For use with 1" Square Drive Impact Sockets. Made of alloy steel.

NO. 2993—Length 1-3/4"

STD. PKG. 12—PKG. WT. 0.25 Lb.

"O" RINGS

Holds retainer pin in 1" Square Drive Impact Sockets. Made of oil resistant neoprene.

NO. 2995—Diameter 1-3/4"

STD. PKG. 12—PKG. WT. 0.12 Lb.

NO. 2996—Diameter 2-1/8"

STD. PKG. 12—PKG. WT. 0.15 Lb.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-660

TORQUE WRENCHES — ROUND BEAM TYPE

Manufacturers of cars and other mechanical equipment have determined by experience that better performance and longer life can be obtained from machines by tightening certain bolts or groups of bolts to a uniform degree of tightness. Even an experienced mechanic cannot tighten a group of bolts, such as cylinder head bolts, evenly: but with a DURO-CHROME Torque Wrench, an unskilled apprentice can quickly and accurately tighten bolts uniformly to manufacturers recommendation. Its simplified rugged construction uses a centerless ground alloy steel beam which accurately indicates on a clearly marked scale. Each wrench is tested for accuracy at the factory before packing for shipping.

S. A. E. MEASUREMENT

No.	Square Drive	Maximum Range	Graduations	Approx. Length	Std. Pkg.	Pkg. Wt. Lbs.
8091	1/4"	120 Inch Lbs.	5 Inch Lb. Units	9"	1	0.50
8092	3/8"	50 Foot Lbs.	2-1/2 Foot Lb. Units	13"	1	0.85
8093	3/8"	200 Inch Lbs.	10 Inch Lb. Units	13"	1	0.85
8094	1/2"	100 Foot Lbs.	2-1/2 Foot Lb. Units	18"	1	2.00
		1200 Inch Lbs.	30 Inch Lb. Units			
8095	1/2"	150 Foot Lbs.	5 Foot Lb. Units	18"	1	2.10
		1800 Inch Lbs.	60 Inch Lb. Units			
8096	3/4"	300 Ft. Lbs.	5 Foot Lb. Units	30"	1	5.55
		3600 Inch Lbs.	60 Inch Lb. Units			

COMPLETE OPERATING INSTRUCTIONS & ENGINE TORQUE SPECIFICATIONS FURNISHED WITH ABOVE WRENCHES

METRIC MEASUREMENT

8072	3/8"	700 cmkg	50 cmkg Units	13"	1	0.85
		50 Foot Lbs.	2-1/2 Foot Lb. Units			
8074	1/2"	20 mkg	1 mkg Unit	18"	1	2.00
		150 Foot Lbs.	5 Foot Lb. Units			
8076	1/2"	200 MN	5 MN Units	18"	1	2.10
		150 Foot Lbs.	5 Foot Lb. Units			

COMPLETE OPERATING INSTRUCTIONS & TORQUE CONVERSION CHART WITH ABOVE WRENCHES

TORQUE CONVERSION CHART

Inch Pounds	Foot Pounds	Meter Newton	Centimeter Kilogram	Meter Kilogram
1/4				
1/2				
1		0.113	1.15	
6		0.678	6.91	
12	1/2	1.356	13.82	0.138
24	1	2.712	27.65	0.276
36	2	4.067	41.47	0.415
48	3	5.423	55.30	0.553
60	4	6.779	69.20	0.692
72	5	8.135	82.95	0.829
84	6	9.491	96.77	0.967
96	7	10.846	110.60	1.106
108	8	12.202	124.42	1.244
120	9	13.558	138.25	1.382
	10	27.116	276.50	2.764
	20	40.674	414.75	4.146
	30	54.232	553.00	5.528
	40	67.790	691.25	6.910
	50	81.348	829.50	8.292
	60	94.906	967.75	9.674
	70	108.464	1106.00	11.056
	80	122.022	1244.25	12.438
	90	135.580	1382.50	13.820
	100	169.475	1728.20	17.276
	125	203.370	2073.90	20.732
	150	237.265	2419.60	24.188
	175	271.160	2765.30	27.644
	200	338.950	3456.70	34.556
	250	406.740	4148.10	41.468
	300			

Inch Pound x 0.113 = mN (Meter Newton or Joules)

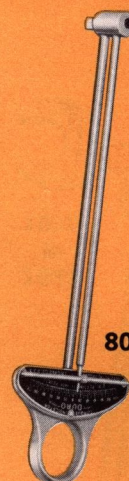
Inch Pound x 1.15 = ckg (Centimeter Kilogram)

Foot Pound x 12 = Inch Pound

Foot Pound x 1.356 = mN (Meter Newton or Joules)

Foot Pound x 13.82 = cmkg (Centimeter Kilogram)

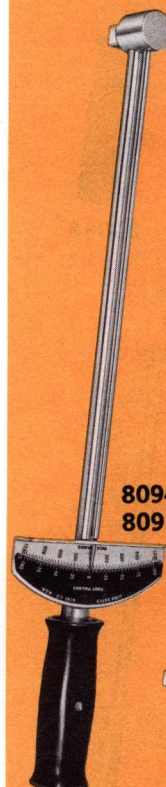
Foot Pound x 0.138 = mkg (Meter Kilogram)



8091



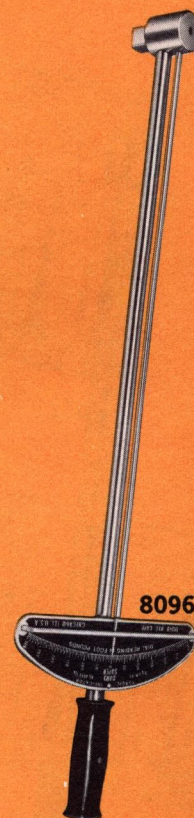
8092
8093



8094
8095

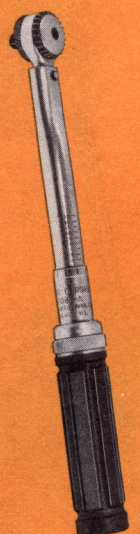
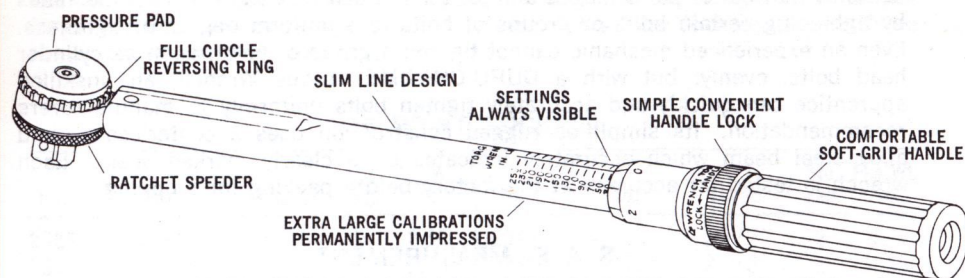


8072
to
8076



8096

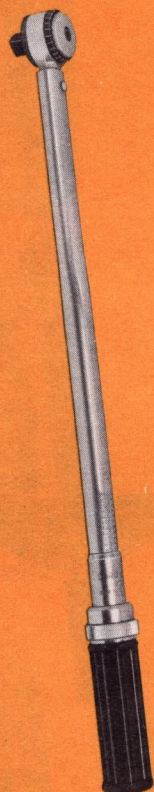
TORQUE WRENCHES — MICROMETER TYPE



8081A



8084A



8088A



8089

FEATURES

- Automatically limits torque with patented slip action.
- All steel construction. No molded plastic parts except for hand grip.
- Accuracy certified without exclusions for complete calibration range.
- Wrench torques and ratchets in both right and left-hand directions.
- Calibration marks permanently impressed, widely spaced and extra large for easy reading. Settings always visible to avoid guesswork.
- Ratchet operates with only 8° of handle swing.
- Full circle ratchet reversing ring eliminates fumbling for levers or single position shifts.
- Fast rundown with built-in ratchet speeder.
- Pressure pad above drive tang permits positive engagement of sockets and attachments.
- Comfortable soft grip is easy to hold with greasy hands. No irritating steel knurls. Cannot be damaged by gasoline, oil, normal solvents, etc.
- Handle lock operates simply and conveniently. Cannot be damaged by dropping.
- Wrench may be used continually at high torque settings.
- Highly polished triple plated finish of tough durable copper, nickel and chrome.

Micrometer calibrated torque wrenches that can be preset to the required torque limit. Lock ring prevents accidental change of torque setting. Wrench will "click" when correct torque is reached and mechanism will release automatically. Ratcheting models have 12-tooth engagement for extra strength and requires only 6° hand travel. Operates and ratchets in both right and left hand directions. All models made of highest quality heat-treated alloy steel. Mechanism is sealed to permit cleaning in solvents. All parts are corrosion proofed.

RATCHETING HEAD TYPE

No.	Square Drive	Range	Graduations	Length	Std. Pkg.	Pkg. Wt. Lbs.
†8081A	1/4"	30 to 200 Inch Lbs.	1 Inch Lb. Units	9-1/2"	1	0.60
†8084A	3/8"	15 to 100 Foot Lbs.	1/2 Foot Lb. Units	14-9/16"	1	2.30
†8088A	1/2"	30 to 250 Foot Lbs.	1 Foot Lb. Units	20-9/16"	1	2.80

PLAIN HEAD TYPE

†8089	3/4"	100 to 600 Foot Lbs.	2-1/2 Foot Lb. Units	39-5/8"	1	9.50
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COMPLETE OPERATING INSTRUCTIONS & ENGINE TORQUE SPECIFICATIONS FURNISHED WITH EACH WRENCH

See page 31 for TORQUE CONVERSION CHART

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-686

OPEN END WRENCHES & SETS

†OPEN END WRENCHES

Forged from **ALLOY STEEL** and heat treated for extra strength. Heads are polished to a mirror finish. Handles have a satin finish. Completely plated in a rich deep chrome.

No.	Size	Length	Head Thick.	Std. Pkg.	Pkg. Wt. Lbs.
1020	1/4" x 5/16"	3-7/8"	5/32"	6	0.31
1721	5/16" x 3/8"	4-13/16"	3/16"	6	0.31
1723	3/8" x 7/16"	5"	3/16"	6	0.50
1725	7/16" x 1/2"	5-15/16"	15/64"	6	0.68
1725B	1/2" x 9/16"	6-1/4"	15/64"	6	1.00
1727	9/16" x 5/8"	6-3/4"	1/4"	6	1.12
1027C	9/16" x 11/16"	6-3/4"	1/4"	6	1.26
1027	19/32" x 11/16"	7"	19/64"	6	1.50
1729	5/8" x 3/4"	8"	19/64"	6	1.50
1029C	11/16" x 13/16"	8-1/2"	21/64"	6	2.25
1731A	3/4" x 7/8"	9-3/16"	11/32"	6	3.28
1731B	13/16" x 7/8"	9-3/16"	11/32"	6	3.32
1033A	7/8" x 15/16"	10-5/8"	25/64"	6	4.00
1033C	15/16" x 1"	10-5/8"	25/64"	6	4.00
1735	1" x 1-1/8"	12-1/2"	29/64"	3	3.73
1036B	1-1/16" x 1-1/8"	12-1/2"	29/64"	3	3.80
1037	1-1/16" x 1-1/4"	12-1/2"	29/64"	3	3.90

6 PIECE OPEN END WRENCH SET

Set contains six popular wrenches ranging from 1/4" thru 7/8". Furnished with a vinyl roll-up kit with pockets for each wrench.

No.	Size	No.	Size	No.	Size
1020	1/4" x 5/16"	1725B	1/2" x 9/16"	1729	5/8" x 3/4"
1723	3/8" x 7/16"	1027	19/32" x 11/16"	1731B	13/16" x 7/8"

NO. 1703 Set In Roll-Up Kit
NO. DUK180 Kit Only

STD. PKG. 1—PKG. WT. 1.44 Lbs.

7 PIECE OPEN END WRENCH SET

Set contains seven popular wrenches ranging from 1/4" thru 1" Furnished with a vinyl roll-up kit with pockets for each wrench.

No.	Size	No.	Size	No.	Size
1020	1/4" x 5/16"	1027	19/32" x 11/16"	1033C	15/16" x 1"
1723	3/8" x 7/16"	1729	5/8" x 3/4"		
1725B	1/2" x 9/16"	1731B	13/16" x 7/8"		

NO. 1704 Set In Roll-Up Kit
NO. DUK181 Kit Only

STD. PKG. 1—PKG. WT. 2.19 Lbs.

14 PIECE OPEN END WRENCH SET

Contains a wide range of sizes from 1/4" thru 1-1/4". Furnished with a vinyl roll-up kit with pockets for each wrench.

No.	Size	No.	Size	No.	Size
1020	1/4" x 5/16"	1727	9/16" x 5/8"	1033A	7/8" x 15/16"
1721	5/16" x 3/8"	1027	19/32" x 11/16"	1033C	15/16" x 1"
1723	3/8" x 7/16"	1729	5/8" x 3/4"	1735	1" x 1-1/8"
1725	7/16" x 1/2"	1029C	11/16" x 13/16"	1037	1-1/16" x 1-1/4"
1725B	1/2" x 9/16"	1731A	3/4" x 7/8"		

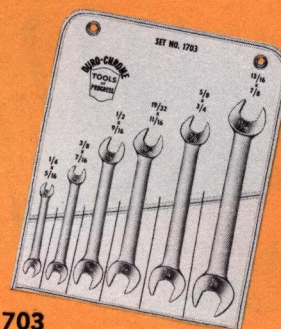
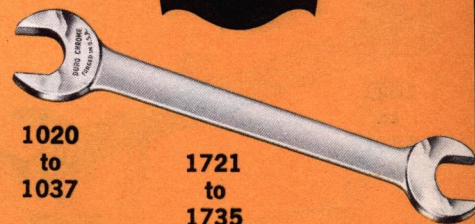
NO. 1706 Set In Roll-Up Kit
NO. DUK245 Kit Only

STD. PKG. 1—PKG. WT. 5.94 Lbs.

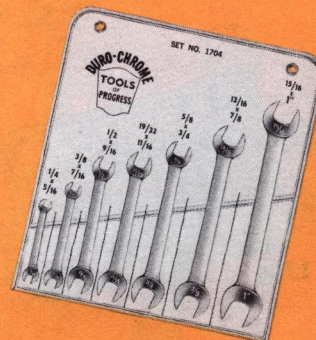
†TAPPET WRENCHES

No.	Size	Length	Head Thick.	Std. Pkg.	Pkg. Wt. Lbs.
D1A	7/16" x 1/2"	7-1/4"	5/32"	6	0.80
D2	1/2" x 9/16"	7-7/8"	11/64"	6	0.97
D2A	9/16" x 5/8"	7-7/8"	11/64"	6	1.00
D3	5/8" x 11/16"	8-3/8"	3/16"	6	1.39
D4	3/4" x 7/8"	8-3/4"	7/32"	6	1.76

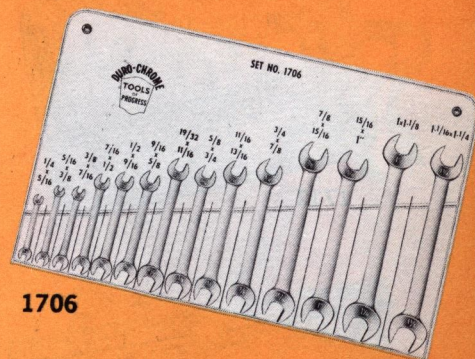
†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-641



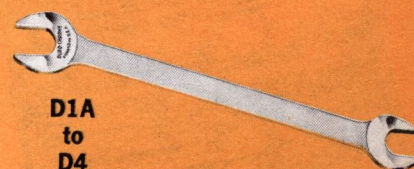
1703



1704



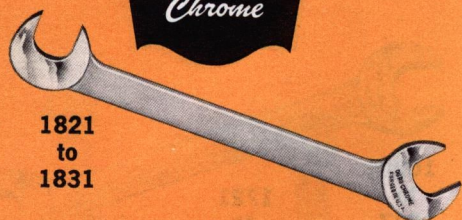
1706



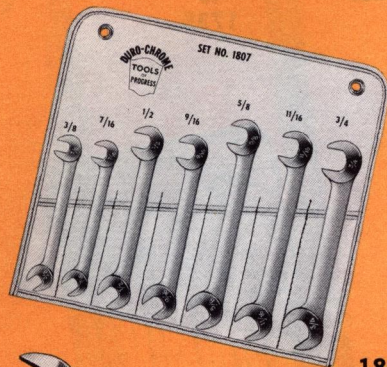
D1A to D4

OBSTRUCTION & IGNITION WRENCHES

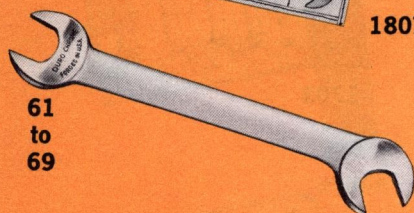
Duro
TOOLS
OF
PROGRESS
Chrome



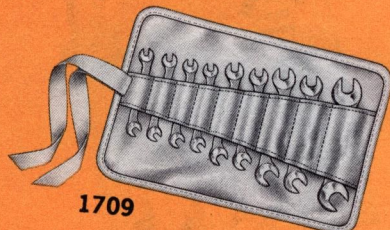
1821
to
1831



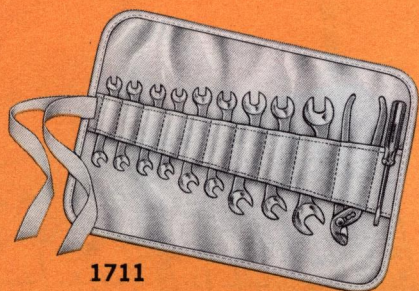
1807



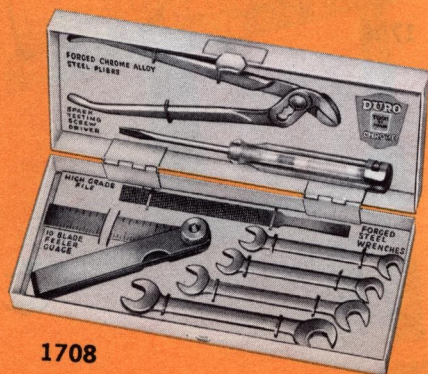
61
to
69



1709



1711



1708

OBSTRUCTION END WRENCHES

Especially designed for use around obstructions, this wrench features one head at a 45° angle and the other at 90°—same size openings at both ends. Forged alloy steel with satin finished handles and highly polished heads. Completely chrome plated.

No.	Size	Length	Head Thick.	Pkg. Wt. Lbs.
1821	3/8" x 3/8"	5-1/2"	11/64"	0.50
1823	7/16" x 7/16"	5-1/2"	11/64"	0.50
1825	1/2" x 1/2"	6-1/2"	13/64"	1.00
1827	9/16" x 9/16"	6-1/2"	13/64"	1.00
1829	5/8" x 5/8"	7-1/2"	15/64"	1.25
1830	11/16" x 11/16"	7-1/2"	1/4"	1.25
1831	3/4" x 3/4"	7-1/2"	1/4"	1.75

STANDARD PKG. 6

7 PIECE OBSTRUCTION WRENCH SET

Set contains a full range of obstruction wrenches from 3/8" to 3/4". Contained in an attractive vinyl roll-up kit.

NO. 1807 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 1.50 Lbs.

NO. DUK172 Kit Only

DROP FORGED IGNITION TYPE WRENCHES

Excellent for use on small size nuts in close quarters. Brightly chrome plated with polished heads.

No.	Openings		Length	Pkg. Wt. Lbs.	No.	Openings		Length	Pkg. Wt. Lbs.
	15°	60°				15°	60°		
61	13/64"	15/64"	3"	0.10	65	9/32"	5/16"	3-1/2"	0.18
62	15/64"	13/64"	3"	0.10	66	5/16"	9/32"	3-1/2"	0.18
62A	1/4"	3/16"	3"	0.10	67	11/32"	3/8"	4"	0.27
63	7/32"	1/4"	3"	0.10	68	3/8"	11/32"	4"	0.27
64	1/4"	7/32"	3"	0.10	69	7/16"	1/2"	4-1/2"	0.40

STANDARD PKG. 6

9 PIECE IGNITION WRENCH SET

Contains 9 wrenches, numbers 61, 62, 63, 64, 65, 66, 67, 68, 69. Furnished in a sturdy roll-up kit with pockets for each wrench.

NO. 1709 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 0.35 Lb.

NO. DUK4 Kit Only

7 PIECE IGNITION WRENCH SET

Similar to No. 1709 except for number of wrenches. Contains 7 wrenches, numbers 61, 62, 63, 64, 65, 66, 67. Furnished in a sturdy roll-up kit with pockets for each wrench.

NO. 1707 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 0.25 Lb.

NO. DUK3 Kit Only

11 PIECE IGNITION TOOL SET

Contains 9 wrenches, numbers 61, 62, 63, 64, 65, 66, 67, 68, 69; No. 2110 5" plier; No. 182 screw driver. Furnished in a sturdy roll-up kit with pockets for each tool.

NO. 1711 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 0.54 Lb.

NO. DUK5 Kit Only

8 PIECE IGNITION TOOL SET

Set contains 4 drop forged ignition wrenches, numbers 62, 64, 66, 67; alloy steel midjet plier, No. 2110; spark testing screwdriver, No. 4691; tungsten ignition file, No. 174; No. 166 Feeler Gauge. Packed in handy green enameled steel box.

NO. 1708

STD. PKG. 1—PKG. WT. 1.00 Lb.

BOX WRENCHES & SETS

Forged from **ALLOY STEEL** and heat treated for extra strength. Heads are polished to a mirror finish. Handles have a satin finish. Completely plated in a rich deep chrome.

†LONG 45° BOX WRENCHES

No.	Size	Length	Pkg. Wt. Lbs.
2051*	3/8" x 7/16"	7-7/8"	1.00
2051A	7/16" x 1/2"	8-3/16"	1.28
2052	1/2" x 9/16"	8-13/16"	1.28
2052A	9/16" x 5/8"	9-3/8"	1.76
2053	5/8" x 11/16"	10"	2.23
2053A	5/8" x 3/4"	10-1/16"	2.27
2053B	11/16" x 13/16"	10-1/2"	2.74
2054A	3/4" x 7/8"	11-5/16"	3.39
2056	15/16" x 1"	14-5/16"	5.33

STD. PKG. 6

†EXTRA LONG 45° BOX WRENCHES

2057	1-1/16" x 1-1/8"	16-1/4"	3.92
2058B	1-1/8" x 1-1/4"	17-7/8"	5.00
2058A	1-3/16" x 1-1/4"	18-1/4"	5.12
2059A	1-5/16" x 1-3/8"	20-3/16"	6.55
2059B	1-7/16" x 1-1/2"	22-3/4"	8.67

STD. PKG. 3

†SHORT 45° BOX WRENCHES

2041*	3/8" x 7/16"	4-3/4"	0.74
2042	1/2" x 9/16"	5-1/2"	0.98
2043A	5/8" x 3/4"	6"	1.43

STD. PKG. 6

*6 Point. All other sizes are 12 Point.

†LONG 15° BOX WRENCHES

No.	Size	Length	Pkg. Wt. Lbs.
2011*	3/8" x 7/16"	6-3/4"	1.00
2011A	7/16" x 1/2"	7-5/8"	1.19
2012	1/2" x 9/16"	8-5/8"	1.54
2013	9/16" x 5/8"	9-9/16"	1.94
2013B	5/8" x 3/4"	10-5/8"	2.04
2014B	11/16" x 13/16"	11-7/8"	3.25
2015	3/4" x 7/8"	13-1/4"	3.88
2016	15/16" x 1"	16-1/8"	6.06

STD. PKG. 6

†EXTRA LONG 15° BOX WRENCHES

2017	1-1/16" x 1-1/8"	17-3/4"	3.82
2017A	1-1/16" x 1-1/4"	17-3/4"	3.87

STD. PKG. 3

†SHORT 15° BOX WRENCHES

2061*	3/8" x 7/16"	4-1/8"	0.54
2062	1/2" x 9/16"	4-3/4"	0.78
2063A	5/8" x 3/4"	5-7/16"	1.00

STD. PKG. 6

†MIDGET IGNITION TYPE

2021	1/4" x 5/16"	3-7/8"	0.18
2022	9/32" x 11/32"	3-7/8"	0.18

STD. PKG. 6

6 PIECE BOX WRENCH SET

A popular size series of long 45° box wrenches in the following sizes: 3/8" x 7/16", 1/2" x 9/16", 5/8" x 3/4", 11/16" x 13/16", 3/4" x 7/8", 15/16" x 1". Contained in vinyl roll-up kit.

NO. 2050-6 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 3.03 Lbs.

NO. DUK184 Kit Only

STD. PKG. 1

†STARTER AND MANIFOLD WRENCHES

A 12 point special shaped wrench designed to reach into areas that are readily not accessible with a straight pattern wrench.

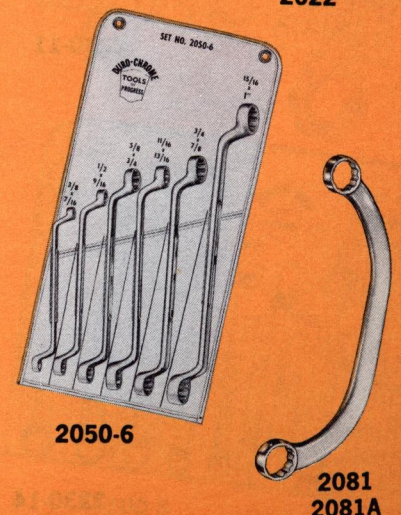
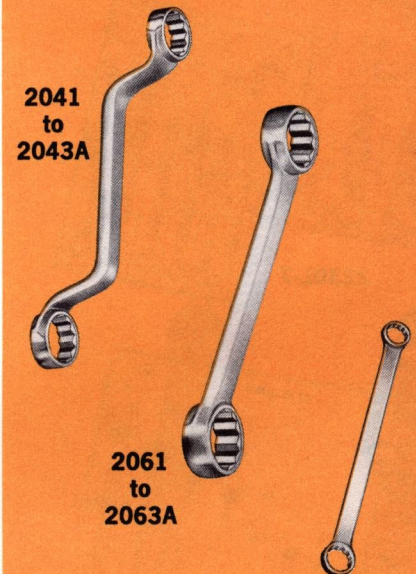
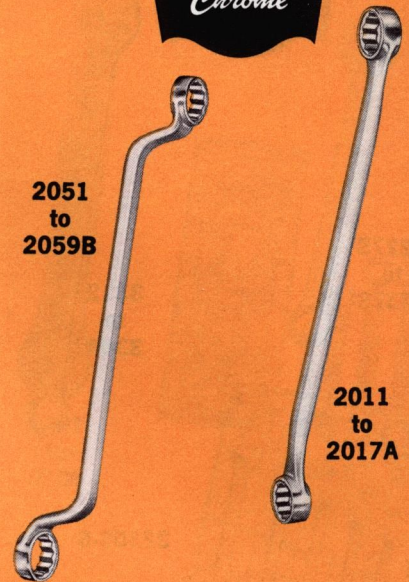
NO. 2081—9/16" x 5/8"

STD. PKG. 6—PKG. WT. 1.98 Lbs.

NO. 2081A—5/8" x 3/4"

STD. PKG. 6—PKG. WT. 2.71 Lbs.

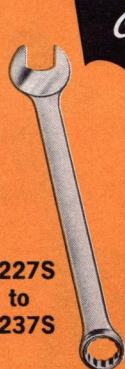
†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-636



COMBINATION WRENCHES & SETS



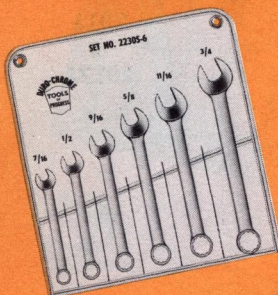
2227S
to
2237S



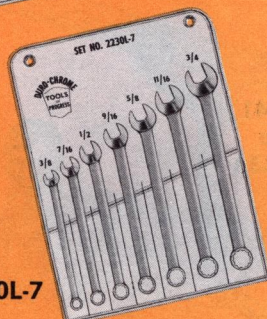
3312
to
3364



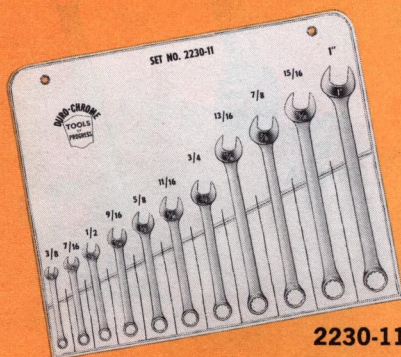
2230S-6



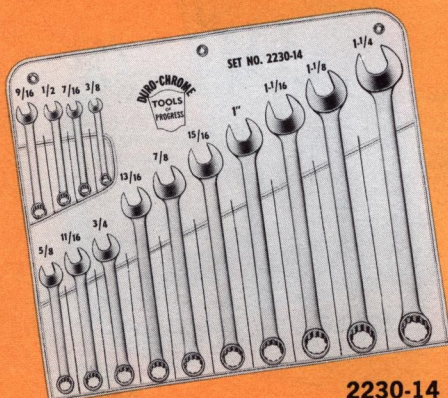
2230L-7



2230-11



2230-14



Forged from **ALLOY STEEL** and heat treated for extra strength. Heads are polished to a mirror finish. Handles have a satin finish. Completely plated in a rich deep chrome.

Combination wrenches combine the best features of the open end and box end types. Both ends of the wrench have identical sizes. The box end is offset 10°. The open end is at a 15° angle.

†SHORT HANDLE SERIES

No.	Size	Length	Open End Head Thick.	Pkg.Wt. Lbs.	No.	Size	Length	Open End Head Thick.	Pkg.Wt. Lbs.
2227S*	1/4"	3-3/4"	5/32"	0.26	2234S	9/16"	6-3/8"	1/4"	1.26
2228S*	5/16"	4-1/4"	11/64"	0.35	2235S	5/8"	7-1/16"	9/32"	1.53
2231S*	3/8"	4-3/4"	13/64"	0.50	2236S	11/16"	7-11/16"	19/64"	1.68
2232S	7/16"	5-3/16"	7/32"	0.67	2237S	3/4"	8-1/4"	5/16"	2.36
2233S	1/2"	5-3/4"	15/64"	0.93					

STD. PKG. 6

†LONG HANDLE SERIES

No.	Old No.	Size	Length	Open End Head Thick.	Pkg.Wt. Lbs.
*3312	2231	3/8"	7"	3/16"	0.64
3314	2232	7/16"	7-3/16"	13/64"	0.91
3316	2233	1/2"	7-11/16"	7/32"	1.31
3318	2234	9/16"	8-1/4"	15/64"	1.48
3320	2235	5/8"	8-7/8"	1/4"	1.75
3322	2236	11/16"	9-3/8"	9/32"	2.23
3324	2237	3/4"	10-1/8"	19/64"	2.64
3326	2237B	13/16"	10-1/2"	11/32"	3.00
3328	2238	7/8"	11-3/8"	23/64"	3.68
3330	2239	15/16"	12-5/16"	3/8"	4.55
3332	2240	1"	13-5/16"	25/64"	5.00
3334	2241	1-1/16"	14-1/4"	13/32"	3.41
3336	2242	1-1/8"	15-1/4"	7/16"	4.00
3340	2243	1-1/4"	16-1/4"	29/64"	5.00
3342		1-5/16"	18"	5/8"	2.50
3344		1-3/8"	19"	11/16"	2.75
3346		1-7/16"	20"	23/32"	3.25
3348		1-1/2"	21"	3/4"	3.88
3352		1-5/8"	24"	13/16"	5.50
3354		1-11/16"	24"	13/16"	5.50
3356		1-3/4"	27"	7/8"	7.50
3358		1-13/16"	27"	7/8"	7.50
3360		1-7/8"	29"	15/16"	9.50
3364		2"	29"	15/16"	9.50

*6 Point Box End. All other sizes are 12 point.

STD. PKG.: Nos. 3312 to 3332—6 Nos. 3334 to 3340—3 Nos. 3342 to 3364—1

6 PIECE COMBINATION WRENCH SET

Contains all popular sizes 7/16" thru 3/4" in the short handle series. Furnished in a durable vinyl roll-up kit with pockets for each tool.

NO. 2230S-6 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 1.75 Lbs.

NO. DUK188 Kit Only

STD. PKG. 1

7 PIECE COMBINATION WRENCH SET

Contains all popular sizes 3/8" thru 3/4" in the long handle series. Furnished in a durable vinyl roll-up kit with pockets for each tool.

NO. 2230L-7 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 1.94 Lbs.

NO. DUK176 Kit Only

STD. PKG. 1

11 PIECE COMBINATION WRENCH SET

A general utility set covering wide range of the more popular sizes from 3/8" thru 1". Furnished in a durable vinyl roll-up kit with pockets for each tool.

NO. 2230-11 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 4.08 Lbs.

NO. DUK185 Kit Only

STD. PKG. 1

14 PIECE COMBINATION WRENCH SET

A complete master set of sizes ranging from 3/8" thru 1-1/4". Furnished in a durable vinyl roll-up kit with pockets for each tool.

NO. 2230-14 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 8.20 Lbs.

NO. DUK186 Kit Only

STD. PKG. 1

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-W-636

RATCHETING BOX WRENCHES

The utility of a box wrench with the "Plus" features of a ratchet. Chrome plated. 12 point openings except wrenches No. 0701 and No. 0702 (6 point).

No.	Size	Length	Head Thickness	Pkg. Wt. Lbs.
0701*	1/4" x 5/16"	4-5/8"	7/16"	0.75
0702*	3/8" x 7/16"	6-1/4"	7/16"	1.42
0703	1/2" x 9/16"	7-1/2"	1/2"	2.15
0704	5/8" x 11/16"	8-5/8"	1/2"	3.03
0705	5/8" x 3/4"	8-5/8"	1/2"	3.08
0708	13/16" x 7/8"	9-7/8"	1/2"	3.99

*Indicates 6 Point.

STD. PKG. 6

5 PIECE RATCHETING BOX WRENCH SET

Contains 5 wrenches in following sizes: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 3/4", 13/16" x 7/8". In vinyl pouch.

NO. 0700-5 Set In Pouch

STD. PKG. 1—PKG. WT. 2.02 Lbs.

NO. DUK156 Pouch Only

6 PIECE RATCHETING BOX WRENCH SET

Contains 6 wrenches in following sizes: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 5/8" x 3/4", 13/16" x 7/8". Set is contained in durable vinyl roll-up kit with pockets for each tool.

NO. 0700-6 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 2.74 Lbs.

NO. DUK153 Roll-Up Kit Only

AIR CONDITIONER WRENCH

A special ratcheting wrench designed for servicing auto air conditioner units. Two size openings, 1/4" square and 9/16" twelve point. The 1/4" opening will fit valve ports on many air conditioner units. The 9/16" opening takes hexagon nuts and bolts that secure caps on charging units. Overall length is 7-1/2". Chrome plated finish.

NO. 0710 Wrench

STD. PKG. 6—PKG. WT. 2.55 Lbs.

METRIC RATCHETING BOX WRENCHES

No.	Size	Length	Head Thickness	Std. Pkg.	Pkg. Wt. Lbs.
44508	7 x 8MM	4-5/8"	7/16"	6	0.75
44511	10 x 11MM	6-1/4"	7/16"	6	1.42
44513	12 x 13MM	7-1/2"	1/2"	6	2.15
44515	14 x 15MM	9-7/8"	1/2"	6	3.99
44519	17 x 19MM	9-7/8"	1/2"	6	3.99

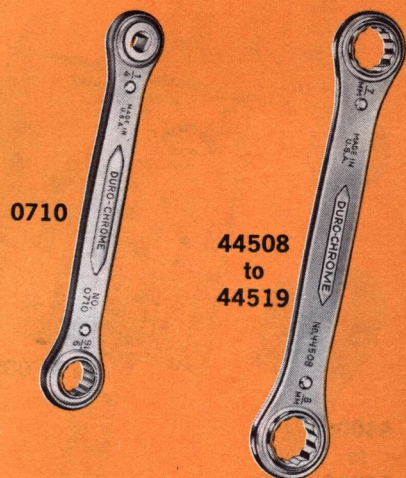
5 PIECE METRIC RATCHETING BOX WRENCH SET

Contains the following METRIC sizes: 7 x 8MM, 10 x 11MM, 12 x 13MM, 14 x 15MM, 17 x 19MM. Set is contained in a vinyl pouch.

NO. 44500-5 Set In Pouch

STD. PKG. 1—PKG. WT. 2.02 Lbs.

NO. DUK244 Pouch Only



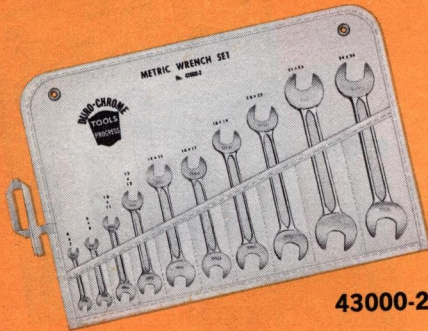
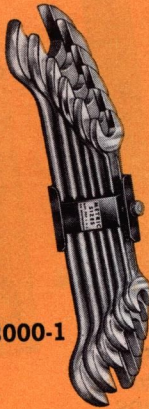
METRIC WRENCHES & SETS

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TOOLS
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Chrome

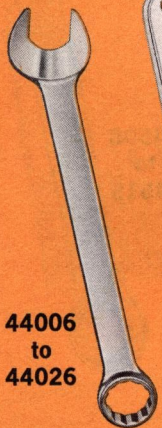


40607
to
42426

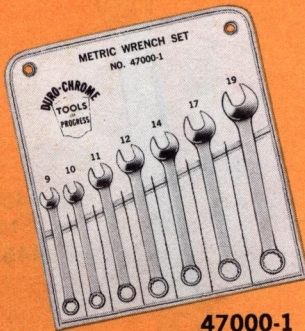
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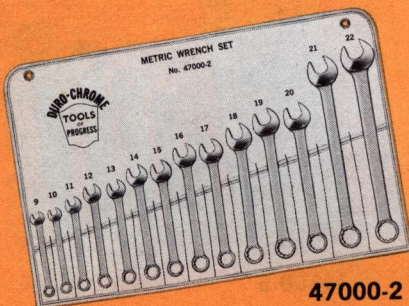
43000-2



44006
to
44026



47000-1



47000-2

OPEN END WRENCHES

Chrome plated with polished heads, a complete range for making repairs and adjustments wherever metric fasteners are used.

No.	Metric Opening	Length In.	Head Thick. In.	Pkg. Wt. Lbs.	No.	Metric Opening	Length In.	Head Thick. In.	Pkg. Wt. Lbs.
40607	6 x 7	3-1/4"	9/64"	0.25	41617	16 x 17	6-7/16"	15/64"	1.50
40809	8 x 9	3-3/4"	5/32"	0.38	41819	18 x 19	7-5/16"	9/32"	2.00
41011	10 x 11	4-1/2"	3/16"	0.50	42022	20 x 22	8-1/4"	5/16"	3.00
41213	12 x 13	5-7/16"	13/64"	0.88	42123	21 x 23	9"	3/8"	4.38
41415	14 x 15	6-7/16"	15/64"	1.50	42426	24 x 26	9"	3/8"	4.38

STD. PKG. 6

6 PIECE OPEN END WRENCH SET

Twelve popular size metric openings, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19. Set is contained in a metal Klip-Tite holder.

NO. 43000-1

STD. PKG. 6—PKG. WT. 7.00 Lbs.

10 PIECE OPEN END WRENCH SET

Contains a complete set of metric sizes ranging from 6MM thru 26MM. Furnished in a vinyl roll-up kit with pockets for each wrench.

NO. 43000-2

STD. PKG. 1—PKG. WT. 4.00 Lbs.

NO. DUK193 Roll-Up Kit Only

COMBINATION WRENCHES

All of the features of the box and open end wrenches are combined in one wrench. Both ends have same size openings. Box end is offset 10° for clearance and the open end is at a 15° angle for positive nut turning in restricted space. Forged from ALLOY STEEL, each wrench is brightly chrome plated.

No.	Size	Length In.	Open Head Thick. In.	Pkg. Wt. Lbs.	No.	Size	Length In.	Open Head Thick. In.	Pkg. Wt. Lbs.
*44006	6MM	3-3/4"	5/32"	0.50	44016	16MM	7-1/16"	9/32"	1.50
*44007	7MM	3-3/4"	5/32"	0.50	44017	17MM	7-1/16"	9/32"	1.50
*44008	8MM	4-1/4"	11/64"	0.50	44018	18MM	7-11/16"	19/64"	1.88
*44009	9MM	4-3/4"	13/64"	0.50	44019	19MM	8-1/4"	5/16"	2.13
44010	10MM	4-3/4"	13/64"	0.50	44020	20MM	8-1/4"	5/16"	2.13
44011	11MM	5-3/16"	7/32"	0.75	44021	21MM	10-1/2"	11/32"	2.75
44012	12MM	5-3/4"	15/64"	0.88	44022	22MM	11-3/8"	23/64"	3.37
44013	13MM	5-3/4"	15/64"	0.88	44023	23MM	11-3/8"	23/64"	3.37
44014	14MM	6-3/8"	1/4"	1.13	44024	24MM	12-5/16"	3/8"	3.50
44015	15MM	6-3/8"	1/4"	1.13	44026	26MM	13-5/16"	25/64"	3.75

*6 Point Box End. All other sizes are 12 Point.

STD. PKG. 6

7 PIECE COMBINATION WRENCH SET

Contains the following popular sizes: 9MM, 10MM, 11MM, 12MM, 14MM, 17MM and 19MM. Furnished in vinyl roll-up kit with pockets for each wrench.

NO. 47000-1 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 1.60 Lbs.

NO. DUK191 Roll-Up Kit

14 PIECE COMBINATION WRENCH SET

Contains the following complete range of sizes: 9MM, 10MM, 11MM, 12MM, 13MM, 14MM, 15MM, 16MM, 17MM, 18MM, 19MM, 20MM, 21MM and 22MM. Furnished in vinyl roll-up kit with pockets for each wrench.

NO. 47000-2 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 4.50 Lbs.

NO. DUK192 Roll-Up Kit Only

FLARE NUT & ADJUSTABLE WRENCHES

FLARE NUT WRENCHES

A specially designed wrench for use on brass or other soft metal fittings. End openings offset at 10° angle, will pass over tubing allowing contact of box wrench on flare nut. Made of Alloy Steel. Chrome plated with polished heads and panels.

STRAIGHT PATTERN

No.	Size	Pkg. Std.	Pkg. Wt. Lbs.
368	3/8" x 7/16"— 6 Pt.	6	0.88
369	1/2" x 9/16"— 6 Pt.	6	1.73
370	5/8" x 3/4"— 6 Pt.	6	2.33
370B	5/8" x 11/16"—12 Pt.	6	2.13
371	3/4" x 1"—12 Pt.	6	3.04
371B	13/16" x 15/16"—12 Pt.	6	2.98
372	7/8" x 1-1/8"—12 Pt.	6	4.51
373	1-1/16" x 1-5/16"—12 Pt.	6	5.00

OFFSET PATTERN

No.	Size	Std. Pkg.	Pkg. Wt. Lbs.
379	3/8" x 1/2"— 6 Pt.	6	0.82
380	7/16" x 9/16"— 6 Pt.	6	1.18
381	5/8" x 13/16"—12 Pt.	6	2.11
382	3/4" x 1"—12 Pt.	6	3.31
383	7/8" x 1-1/8"—12 Pt.	6	5.01
383A	15/16" x 1-1/8"—12 Pt.	6	4.85
384A	1" x 1-1/4"—12 Pt.	6	5.35
384C	1-1/16" x 1-5/16"—12 Pt.	6	5.75

3 PIECE FLARE NUT WRENCH SET

A handy set containing three popular size, straight pattern, flare nut wrenches. Openings 3/8" x 7/16", 1/2" x 9/16", 5/8" x 3/4". Contained in vinyl roll-up kit with pockets for each wrench.

NO. 363 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 0.95 Lb.

NO. DUK171 Kit Only

STD. PKG. 1

ADJUSTABLE WRENCHES

Close tolerance machining of the moving parts result in smooth operation. Jaws are parallel at all adjustments. Made of alloy steel, hardened and heat treated. Available with chrome plated finish or industrial black finish. Conforms to Federal Specification GGG-W-331.

CHROME PLATED FINISH

No.	Length	Max. Jaw Opening	Std. Pkg.	Pkg. Wt. Lbs.	No.	Length	Max. Jaw Opening	Std. Pkg.	Pkg. Wt. Lbs.
2085A	4"	1/2"	1	0.10	2089A	12"	1-5/16"	1	1.63
2086A	6"	3/4"	1	0.27	2090A	15"	1-11/16"	1	3.31
2087A	8"	15/16"	1	0.54	2091A	18"	2-1/16"	1	6.00
2088A	10"	1-1/8"	1	0.92	2092A	24"	2-7/16"	1	9.00

BLACK FINISH

2075	4"	1/2"	1	0.10	2078	10"	1-1/8"	1	0.94
2076	6"	3/4"	1	0.28	2079	12"	1-5/16"	1	1.65
2077	8"	15/16"	1	0.55	2080	15"	1-11/16"	1	3.36

REPLACEMENT PARTS

For Wrench No.	Jaw	Screw, Worm & Spring	Std. Pkg.	For Wrench No.	Jaw	Screw, Worm & Spring	Std. Pkg.
2085A	2085A-2	2085A-8	1	2075	2075-2	2085A-8	1
2086A	2086A-2	2086A-8	1	2076	2076-2	2086A-8	1
2087A	2087A-2	2087A-8	1	2077	2077-2	2087A-8	1
2088A	2088A-2	2088A-8	1	2078	2078-2	2088A-8	1
2089A	2089A-2	2089A-8	1	2079	2079-2	2089A-8	1
2090A	2090A-2	2090A-8	1	2080	2080-2	2090A-8	1
2091A	2091A-2	2091A-8	1				
2092A	2092A-2	2092A-8	1				



368 to 370



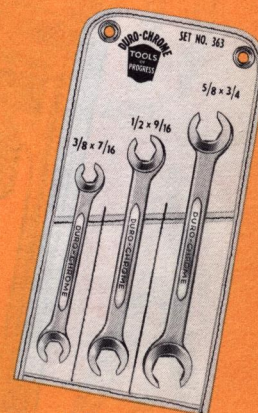
370B to 373



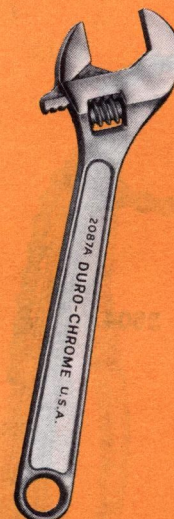
379 380



381 to 384C



363



2085A to 2092A



2075 to 2080

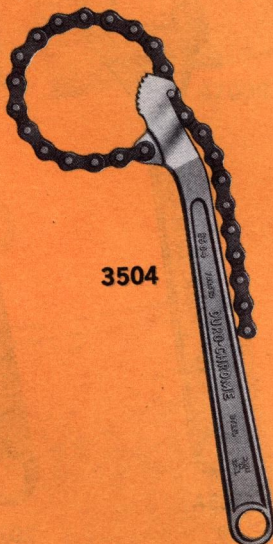
PIPE & CHAIN WRENCHES



3508
to
3524



3528
to
3536



3504

PIPE WRENCHES—STILLSON TYPE

Designed for normal duty use. Will meet the requirements of the farm, home and light industrial applications. Handles and heads are made of special analysis steel, heat treated. Jaw teeth are deep milled, uniformly spaced and scientifically hardened. Head has a machine ground finish. Conforms to Federal Specification GGG-W-651.

No.	Size	Pipe Capacity	Std. Pkg.	Pkg. Wt.
3508	8"	1/8" to 3/4"	3	2.00 Lbs.
3510	10"	1/8" to 1"	3	4.50 Lbs.
3514	14"	1/4" to 1-1/2"	3	7.75 Lbs.
3518	18"	1/4" to 2"	3	13.70 Lbs.
3524	24"	1/4" to 2-1/2"	1	4.40 Lbs.

REPLACEMENT PARTS—PIPE WRENCHES—STILLSON TYPE

Wrench No.	Frame	Moving Jaw	Ring Nut	Pin	Wrench No.	Frame	Moving Jaw	Ring Nut	Pin
3508	3508-1	3508-2	3508-3	3508-4	3518	3518-1	3518-2	3518-3	3518-4
3510	3510-1	3510-2	3510-3	3510-4	3524	3524-1	3524-2	3524-3	3524-4
3514	3514-1	3514-2	3514-3	3514-4					

STD. PKG. 1

PIPE WRENCHES—HEAVY DUTY TYPE

Perfectly balanced for ease of operation. Outstanding features include, easy adjustment, calibrated hook jaw and a patented double action spring for faster and easier bite, ratchet and release. Made of alloy steel scientifically designed for maximum strength. Steel jaws are forged and heat treated to just the right hardness. Conforms to Federal Specification GGG-W-651.

No.	Length	Pipe Capacity	Std. Pkg.	Pkg. Wt.
3528	8"	1/8" to 1"	3	3.00 Lbs.
3530	10"	1/8" to 1-1/2"	3	6.00 Lbs.
3532	14"	1/4" to 2"	3	10.50 Lbs.
3534	18"	1/4" to 2-1/2"	3	16.50 Lbs.
3536	24"	1/4" to 3"	1	6.00 Lbs.

REPLACEMENT PARTS—PIPE WRENCHES—HEAVY DUTY TYPE

Wrench No.	Hook Jaw	Heel Jaw	Ring Nut	Jaw Rivet	Wrench No.	Hook Jaw	Heel Jaw	Ring Nut	Jaw Rivet
3528	3528-1	3528-2	3528-3	3528-4	3534	3534-1	3534-2	3534-3	3534-4
3530	3530-1	3530-2	3530-3	3530-4	3536	3536-1	3536-2	3536-3	3536-4
3532	3532-1	3532-2	3532-3	3532-4					

STD. PKG. 1

CHAIN WRENCH

A practical tool for the many instances where an ordinary pipe wrench will not fit. Excellent for pipe and fittings, this chain wrench is also useful in removing automobile oil filters. Has strong I beam handle fully chrome plated.

No.	Length	Pipe Capacity	Std. Pkg.	Pkg. Wt.
3504	12"	7/8" to 4"	1	1.50 Lbs.

PLIERS

SLIP JOINT PLIERS

A general purpose plier of professional quality. Attractively priced. Hand finished from special steel with a high lustre, nickel finish. Has wire cutter and 2 position knurled handles for a comfortable non-slip grip. Federal Specification GGG-P-471.

- NO. 2196**—Length 6"
NO. 2197—Length 8"
NO. 2198—Length 10"

STD. PKG. 6—PKG. WT. 2.50 Lbs.
 STD. PKG. 6—PKG. WT. 3.34 Lbs.
 STD. PKG. 6—PKG. WT. 4.25 Lbs.

UTILITY PLIERS

A sturdy utility tool to fulfill the ever increasing demand for an economically priced guaranteed all purpose plier. Drop forged from high grade tool steel, with 2 position knurled handles and wire cutter. Nickel plated satin finish. Federal Specification GGG-P-471.

- NO. 2193**—Length 5"
NO. 2194—Length 6"
NO. 2195—Length 8"

STD. PKG. 12—PKG. WT. 2.73 Lbs.
 STD. PKG. 12—PKG. WT. 5.25 Lbs.
 STD. PKG. 12—PKG. WT. 6.88 Lbs.

DUCK BILL PLIER

Broad, flat point makes this plier indispensable for straightening fins on heaters, condensers, evaporators, etc. Also popular with mechanics and electricians for pulling wire. Cross grooved in jaws for firm grip. Forged alloy steel with polished head. Handles complete with bonded vinyl plastisol grips. Federal Specification GGG-P-471.

- NO. 2108**—Length 7-3/4"

STD. PKG. 1—PKG. WT. 0.44 Lb.

NEEDLE NOSE PLIER

Just the plier for reaching into tight places. Strong thin jaws with broad curved handles affords firm grip with complete comfort. Jaws are cross grooved for holding power. Forged alloy steel with polished head. Handles have bonded vinyl plastisol grips. Federal Specification GGG-P-471.

- NO. 2109**—Length 8"

STD. PKG. 1—PKG. WT. 0.34 Lb.

LONG NOSE CUTTING PLIERS

The long thin jaws make this plier popular with mechanics, electricians and especially radio and television workers. Strong accurately matched cutting edges. Jaws are cross grooved for holding power. Forged alloy steel with polished head. Handles have bonded vinyl plastisol grips. Federal Specification GGG-P-471.

- NO. 2111**—Length 6"

STD. PKG. 1—PKG. WT. 0.34 Lb.

DIAGONAL CUTTING PLIER

Accurately forged, tempered and ground cutting edges assure long, satisfactory service. Alloy steel with polished head. Comfortable vinyl plastisol grips bonded to handles. Federal Specification GGG-P-00468.

- NO. 2106**—Length 6"

STD. PKG. 1—PKG. WT. 0.39 Lb.

HEAVY DUTY CUTTING PLIER

Of heavier construction, with cutting edges tempered to cut piano wire, making it popular with mechanics working on manual control wires. Forged alloy steel. Polished head. Comfortable vinyl plastisol grips bonded to handles. Federal Specification GGG-P-00468.

- NO. 2107**—Length 7-1/4"

STD. PKG. 1—PKG. WT. 0.43 Lb.

EXTRA HEAVY DUTY CUTTING PLIER

An extra sturdy cutting plier forged from alloy steel for increased strength and toughness. Scientifically hardened cutting edges are strong and sharp. Will give long service on heavy duty jobs. Handles have bonded vinyl plastisol grips. Federal Specification GGG-P-00468.

- NO. 2131**—Length 7"

STD. PKG. 1—PKG. WT. 0.62 Lb.



2196
to
2198



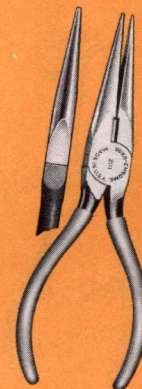
2193
to
2195



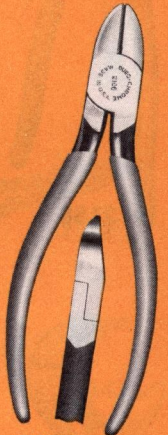
2108



2109



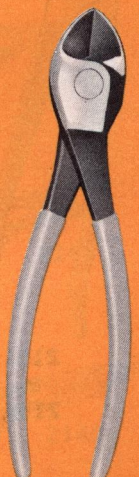
2111



2106

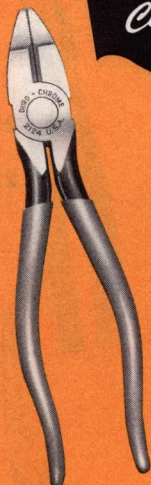


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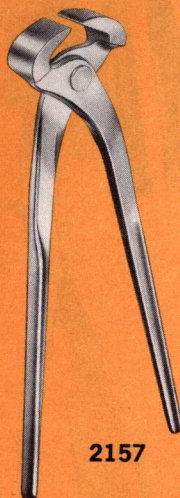


2131

PLIERS & NIPPERS



2124A



2157



2158



2150



2151
to
2156



2110

LINEMAN'S SIDE CUTTING PLIER

A heavy duty alloy steel plier used primarily in electrical maintenance and wiring. Strong perfectly matched cutting edges; polished heads. Handles have bonded vinyl plastisol grips. Federal Specification GGG-P-471.

NO. 2124A—Length 7"

STD. PKG. 1—PKG. WT. 0.66 Lb.

HEAVY DUTY CUTTING NIPPERS

Designed with maximum leverage for cutting large nails, wires, fencing, etc. A very useful tool in construction work. Made of high quality alloy steel, drop forged, heat treated and tempered. Sharp cutting edges are hardened and honed. Stops in head prevent cutting edges from dulling each other. Brightly polished head, tool is completely nickel plated. Federal Specification GGG-N-350.

NO. 2157—Length 10"

STD. PKG. 1—PKG. WT. 1.00 Lb.

FENCE TOOL

This tool combines 6 tools in one and is designed for installing metal fencing on metal or wood posts. Heavy lock-joint construction. Starting and pulling point is on one jaw, corrugated hammer head on the other. A lug lifter, staple puller and wire splicer located on the front side and a wire stretcher in back. Wire cutter on each side will cut double strand barbed wire. Brightly polished head with a gun metal finish on the rest of the tool. Federal Specification GGG-P-471.

NO. 2158—Length 10"

STD. PKG. 1—PKG. WT. 1.44 Lbs.

RIDGE JOINT IGNITION PLIER

Featuring the forged ridge joint design, this plier has four opening positions. Made of forged alloy steel. Handles have bonded vinyl plastisol grips. Capacity 0-1/2". Federal Specification GGG-P-471.

NO. 2150—Length 4"

STD. PKG. 1—PKG. WT. 0.14 Lb.

RIDGE JOINT PLIERS

Handy tools for use on fittings, pipe and general utility service. Jaws are locked in position by the ridge joint design and cannot slip under any pressure. Plated with a nickel chrome finish. Vinyl plastic grips are bonded to handle. Federal Specification GGG-P-471.

NO. 2151—Length 6" —CAP. 0-1"

STD. PKG. 1—PKG. WT. 0.36 Lb.

NO. 2153—Length 10" —CAP. 0-1 1/2"

STD. PKG. 1—PKG. WT. 0.90 Lb.

NO. 2154—Length 12" —CAP. 0-2 1/8"

STD. PKG. 1—PKG. WT. 1.43 Lbs.

NO. 2156—Length 16" —CAP. 0-4 1/4"

STD. PKG. 1—PKG. WT. 2.59 Lbs.

IGNITION TYPE PLIER

A quality forged alloy steel ignition type plier. Opening to 9/16" from closed position in 4 adjustments. Chrome plated. Federal Specification GGG-P-471.

NO. 2110—Length 5"

STD. PKG. 6—PKG. WT. 0.77 Lb.

PLIERS

WATER PUMP PLIER

A forged steel plier. Narrow jaws with 8 positions from closed to opening of 1-5/8". Extra comfortable handles with outstanding gripping power. Highly polished heads and richly chrome plated. Federal Specification GGG-P-471.

NO. 2103A—Length 9-1/4"

STD. PKG. 6—PKG. WT. 3.76 Lbs.

BATTERY PLIER

A forged steel battery plier that meets the demand for a popular priced plier. Teeth are broached clean with sufficient depth for good gripping power on corroded or undersized battery terminal nuts. Chrome plated. Federal Specification GGG-P-471.

NO. 2116—Length 8"

STD. PKG. 6—PKG. WT. 2.71 Lbs.

SPARK PLUG TERMINAL PLIER

For removing bare spark plug terminal with engine running without danger of electrical shock. The small indentation on the end of the insulated jaw, securely grips terminal wire for easy removal or connecting. Designed and tested to withstand voltages far in excess of those encountered in engine tune-up work. Handles and jaws are insulated for double protection.

NO. 2134—Length 7-1/2"

STD. PKG. 1—PKG. WT. 0.30 Lb.

GRIP ALL WRENCH

An all purpose wrench that securely grips and holds when jaws are locked in place. Has trigger release lever which unlocks jaws with a flick of the finger. Jaws are adjustable up to 1-1/4". Made of alloy steel; jaws are heat treated for maximum strength. Rust resistant plated finish. Federal Specification GGG-P-471.

NO. 2166 (OLD NO. 2132)—Length 10"

STD. PKG. 1—PKG. WT. 1.24 Lbs.

MIDGET PLIERS

Designed for all types of electronic work and other uses where the working area is limited. Made of fine quality alloy steel. Cutting edges are scientifically heat treated to the correct hardness. Jaws are spring tempered. Heads have ground finish, nose is polished. Handles have bonded vinyl grips for comfort only and are not intended as insulation against electrical shock.

FLAT NOSE MIDGET PLIER

Flat nose, scored jaws. Federal Specification GGG-P-004710.

NO. 2142—Length 4"

STD. PKG. 1—PKG. WT. 0.25 Lb.

CHAIN NOSE MIDGET PLIER

Narrow tapered, scored jaws. Federal Specification GGG-P-004710.

NO. 2143—Length 4"

STD. PKG. 1—PKG. WT. 0.25 Lb.

DIAGONAL CUTTING MIDGET PLIER

Narrow cutting jaws. Federal Specification GGG-P-00468.

NO. 2144—Length 4"

STD. PKG. 1—PKG. WT. 0.25 Lb.

END CUTTING MIDGET NIPPERS

Sharp strong cutting edges. Federal Specification GGG-N-350A.

NO. 2145—Length 4-1/2"

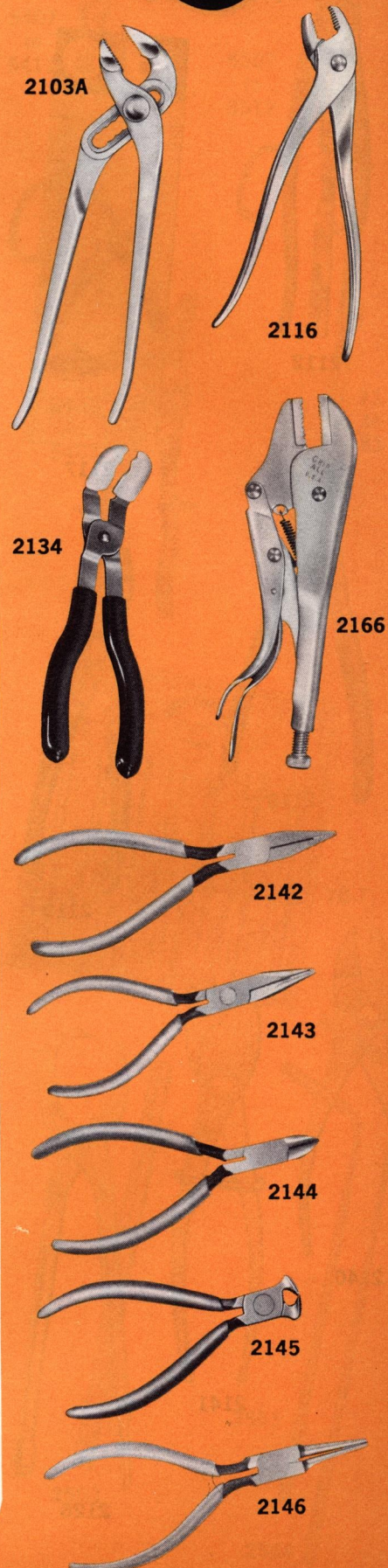
STD. PKG. 1—PKG. WT. 0.37 Lb.

ROUND NOSE LOOPING MIDGET PLIER

Round nose, round jaws. Federal Specification GGG-P-004710.

NO. 2146—Length 4-1/2"

STD. PKG. 1—PKG. WT. 0.25 Lb.



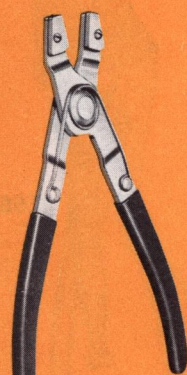
SPECIAL PURPOSE PLIERS



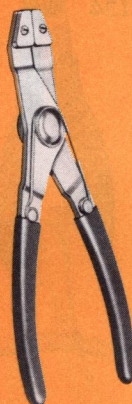
2112



2117



2118



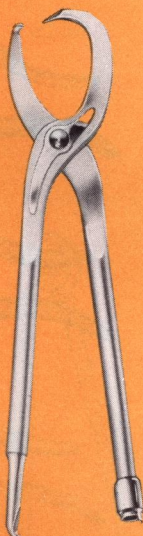
2119



2140



2141



2126

LOCK RING PLIERS

Lock rings are easily removed with this tool. Jaws are thin and strong with cross grooves on outside to prevent slipping. Jaw tips are offset to handle brake shoe lock rings and other shaft assemblies. Spring holds jaws in closed position. Forged alloy steel with comfortable handles and polished head.

NO. 2112—Length 8"

STD. PKG. 1—PKG. WT. 0.50 Lb.

SNAP RING PLIER SET

Contains two interchangeable-tip pliers and an assortment of tips to cover a wide range of Snap Ring applications for external and internal use. Vinyl plastic grips are bonded to handles. Set is contained in vinyl plastic kit.

NO. 2117

STD. PKG. 1—PKG. WT. 1.25 Lbs.

SNAP RING PLIERS

Available in two types, External and Internal. Designed for use with Interchangeable Tips listed below. Tips are securely held in place regardless of hard use. Made of fine quality steel, brightly plated, with vinyl plastisol grips. Length 6-1/4".

NO. 2118—Internal Type

STD. PKG. 1—PKG. WT. 0.50 Lb.

NO. 2119—External Type

STD. PKG. 1—PKG. WT. 0.50 Lb.

INTERCHANGEABLE TIPS—FOR SNAP RING PLIERS

For use with Nos. 2118 and 2119 Snap Ring Pliers listed above. The three basic diameters listed here will handle a wide variety of rings, both internal and external on shafts 3/8" to 1-1/4" diameter. Tip selection is made on the basis of the "P" hole diameter in the lug of the ring. Made of fine quality steel, heat treated for maximum toughness.

No.	2118-1	2118-2	2118-3	2118-4
Diameter	.035"	.045"	.045"	.060"
Shape	90° Angle	45° Angle	Straight	Straight
Std. Pkg.	12	12	12	12

HOSE CLAMP PLIER

A slip joint plier for removing and applying small hose clamps used on air lines, fuel lines on outboard motors and automobiles. There are recesses in the end and the side of the jaws to grip the ends of the spring clamp. Fully chrome plated. Capacity 0 to 1".

NO. 2140—Length 6"

STD. PKG. 1—PKG. WT. 0.50 Lb.

HEAVY DUTY HOSE CLAMP PLIER

Heavy duty tool for removing and applying the new spring hose clamps which are now standard on many new automobiles. Recesses in the end and side of the jaws make it easy to get into tight places and assures positive gripping action. Slip ring on handle permits one to remove hand from plier to adjust hose. Fully chrome plated. Capacity 0 to 1-3/4".

NO. 2141—Length 8"

STD. PKG. 1—PKG. WT. 0.59 Lb.

BRAKE SPRING PLIERS

Designed for removing and installing brake springs. Pointed jaw holds brake shoe in line while hook draws spring into position. One handle has a cam on the end which releases spring from anchor post merely by turning. Other handle is grooved to slip spring over anchor post. Made of forged alloy steel and completely chrome plated.

NO. 2126—Length 13-1/2"

STD. PKG. 3—PKG. WT. 2.81 Lbs.

SNIPS—NUT DRIVERS—MAGNET TOOLS

TINNERS SNIPS

Thinner cutting edges and handle design permit smooth clean cuts with strong handle leverage. The Circle Pattern is designed for work on intricate patterns and for either a straight cut or cutting right or left hand corners in a small radius. Made of a special analysis forged steel, heat treated for long useage. Fully polished jaws; handles are finished in a bright red.

STRAIGHT PATTERN				CIRCLE PATTERN			
No.	Length	Cutting Edge	Pkg. Wt.	No.	Length	Cutting Edge	Pkg. Wt.
5407	7"	2"	0.50 Lb.	5507	7"	1-1/2"	0.50 Lb.
5410	10"	2-3/4"	1.00 Lb.	5510	10"	2-1/4"	1.00 Lb.
5412	12-3/4"	3"	1.50 Lbs.	5512	12-3/4"	3"	1.50 Lbs.

STD. PKG. 1

†POWER CUT TYPES

These snips provide effortless cutting power on metal up to 18 gauge. Blades made with 52 serrations to the inch and are curved to divert the sheared metal. Furnished with **COLOR CODED** vinyl plastic hand grips as follows:

RED—CUTS LEFT **GREEN—CUTS RIGHT** **YELLOW—CUTS STRAIGHT**

No.	Cuts	Length	Length of Cut	Std. Pkg.	Pkg. Wt.
5401	Left	10"	1-3/8"	1	1.00 Lb.
5402	Right	10"	1-3/8"	1	1.00 Lb.
5403	Straight	10"	1-1/2"	1	1.00 Lb.

NUT DRIVERS

Made from **ALLOY STEEL** with hollow shanks, extra deep sockets and plastic handles. Ideal for radio, television, ignition or switchboard work. Handles are color coded for quick and easy size identification.

No.	Size	Overall Length	Shaft Length	Std. Pkg. Wt.	No.	Size	Overall Length	Shaft Length	Std. Pkg. Wt.
				Pkg. Lbs.					Pkg. Lbs.
71	3/16"	6-1/8"	3-1/8"	6 0.86	77	3/8"	7"	3-1/8"	6 0.95
72	7/32"	6-1/8"	3-1/8"	6 0.84	78	7/16"	7-1/4"	3-1/8"	6 1.22
73	1/4"	7"	3-1/8"	6 0.92	79	1/2"	7-1/4"	3-1/8"	6 1.36
74	9/32"	7"	3-1/8"	6 0.92	80	9/16"	7-1/4"	3-1/8"	6 1.46
75	5/16"	7"	3-1/8"	6 0.95	81	5/8"	7-1/4"	3-1/8"	6 1.51
76	11/32"	7"	3-1/8"	6 0.95					

7 PIECE NUT DRIVER SET

Contains seven of the popular size nut drivers as follows: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16" and 1/2". Furnished in a sturdy vinyl plastic roll-up kit with pockets for each tool. Sizes are imprinted on kit for quick and easy selection.

NO. 70-7 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 1.60 Lbs.

NO. DUK195 Roll-Up Kit Only

STD. PKG. 1

MAGNET TOOLS

Used to retrieve small steel parts that fall into impossible places. Permanent Alnico Magnet head. Chrome plated.

6" Magnet Pocket Tool with handy klip for shirt or jacket.

NO. 2552

STD. PKG. 6—PKG. WT. 0.50 Lb.

9" Magnet Tool, only 5/16" in diameter for those hard to reach places. Head swings 120° in either direction. Has a plastic handle for non-slip grip.

NO. 2553

STD. PKG. 6—PKG. WT. 1.00 Lb.

"Master" Magnet Tool telescopes from 17" to a full 26-1/2", easily picks up 3 lbs. Head swings 120° in either direction. Has a plastic handle for non-slip grip.

NO. 2554

STD. PKG. 4—PKG. WT. 2.50 Lbs.

†MEETS OR EXCEEDS FEDERAL SPECIFICATION GGG-S-291



5407
to
5412



5507
to
5512



5401
to
5403



71
to
81



70-7

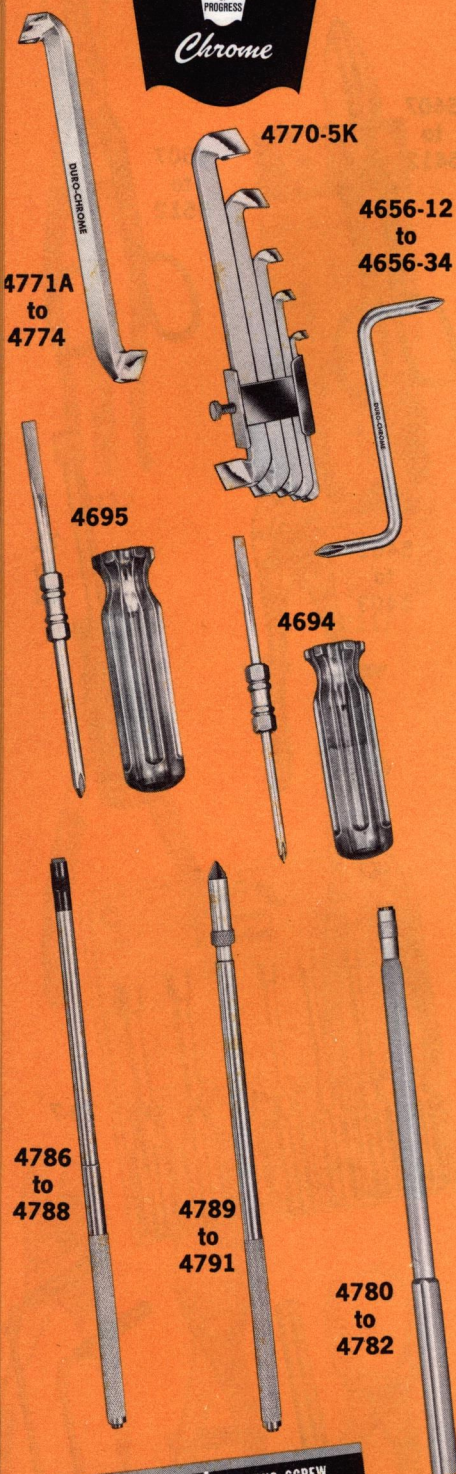


2552

2553

2554

SCREW DRIVERS & STARTERS



DOUBLE END OFFSET SCREW DRIVERS

No.	Stock Size	Length	Tip Width	Std. Pkg.	Pkg. Wt.
4771A	1/8"	3-3/16"	9/64"	6	0.12 Lb.
4771	3/16"	3-15/16"	13/64"	6	0.29 Lb.
4772	1/4"	4-3/4"	19/64"	6	0.57 Lb.
4773	5/16"	5-5/8"	31/64"	6	1.04 Lbs.
4774	3/8"	6-5/8"	7/16"	6	1.63 Lbs.

5 PC. OFFSET SCREW DRIVER SET

Set contains the 5 offset screw drivers listed above. Furnished with a Klip-Tite metal holder that keeps the screw drivers together when not in use.

NO. 4770-5K Set In Metal Holder

STD. PKG. 1—PKG. WT. 0.75 Lb.

PHILLIPS HEAD DOUBLE OFFSET SCREW DRIVERS

No.	Point Size	Length	Std. Pkg.	Pkg. Wt.
4656-12	1 and 2	4-3/4"	6	0.48 Lb.
4656-23	2 and 3	5-3/8"	6	0.93 Lb.
4656-34	3 and 4	6-1/4"	4	1.04 Lbs.

REVERSIBLE SCREW DRIVERS

Two-in-one screw drivers with detachable blades that can be reversed for the required bit size. A special clutch secures blade in handle.

No.	Blade Size & Description	Std. Pkg.	Pkg. Wt.
4694	3/16" x #1 Point Phillips	6	2.00 Lbs.
4695	1/4" x #2 Point Phillips	6	2.75 Lbs.

ALUMINUM SCREW STARTERS WITH MAGNETS FOR CROSS-SLOTTED SCREWS

Time saving tools for handling short screws in tight places. Starts or removes all size screws in difficult, inaccessible places. Grips the screw inside the screw slot with a 15 pound pull. Releases automatically and resets as screw is tightened.

NO. 4786—2-1/2" Length

STD. PKG. 6—PKG. WT. 0.30 Lb.

NO. 4787—5" Length

STD. PKG. 6—PKG. WT. 0.45 Lb.

NO. 4788—9" Length

STD. PKG. 6—PKG. WT. 0.60 Lb.

FOR PHILLIPS HEAD SCREWS

NO. 4789—3" Length

STD. PKG. 6—PKG. WT. 0.35 Lb.

NO. 4790—5" Length

STD. PKG. 6—PKG. WT. 0.45 Lb.

NO. 4791—9" Length

STD. PKG. 6—PKG. WT. 0.60 Lb.

SCREW STARTERS—MOLDED NYLON HANDLE FOR CROSS-SLOTTED SCREWS

Handy tools to start or remove all size screws located in difficult or inaccessible places.

NO. 4780—2-1/2" Length

STD. PKG. 6—PKG. WT. 0.16 Lb.

NO. 4781—6" Length

STD. PKG. 6—PKG. WT. 0.28 Lb.

NO. 4782—9" Length

STD. PKG. 6—PKG. WT. 0.38 Lb.

SCREW STARTER DISPLAY CARD

An attractive self merchandising display card containing three popular size SCREW STARTERS. Numbers 4780, 4781 and 4782.

NO. 4785 Display

STD. PKG. 4—PKG. WT. 1.13 Lbs.



SCREWDRIVERS

SLOTTED TYPE SCREW DRIVERS

Blades are made of alloy steel and precision milled for a perfect screw fit. Polished and chrome plated. Shockproof handles are made of Tenite plastic.

SQUARE BLADE TYPE

No.	Blade Dimensions			Overall Length	Std. Pkg.	Pkg. Wt. Lbs.
	Stock	Length	Tip Width			
4702	1/8"	2-1/16"	1/8"	5-1/16"	6	0.28
4703	1/8"	3-1/16"	1/8"	6-1/16"	6	0.30
4711	3/16"	1-9/16"	3/16"	4-9/16"	6	0.50
4713	3/16"	3"	3/16"	6-3/4"	6	0.92
4714	3/16"	4"	3/16"	7-3/4"	6	0.99
4716	3/16"	6"	3/16"	9-3/4"	6	1.12
*4720	1/4"	1-1/4"	19/64"	3"	6	0.43
4722	1/4"	2"	19/64"	6-1/8"	6	1.29
4724	1/4"	4"	19/64"	8-1/8"	6	1.49
4726	1/4"	6"	19/64"	10-1/8"	6	1.71
4728	1/4"	8"	19/64"	12-1/8"	6	1.93
*4731	5/16"	1-1/4"	3/8"	3-5/16"	6	0.86
4730-6	5/16"	6"	3/8"	10-1/4"	4	1.62
4730-8	5/16"	8"	3/8"	12-1/4"	4	1.86
4740-6	3/8"	6"	7/16"	10-1/4"	2	1.04
4740-8	3/8"	8"	7/16"	12-1/4"	2	1.18
4740-10	3/8"	10"	7/16"	14-1/4"	2	1.36

ROUND BLADE TYPE

† 182	1/8"	2"	9/64"	4-1/16"	12	0.38
4603	1/8"	3-1/16"	1/8"	6-1/16"	6	0.28
4614	3/16"	4-1/16"	3/16"	7-13/16"	6	0.69
4616	3/16"	6-1/16"	3/16"	9-13/16"	6	1.03

*Stubby Handle Type

†With Pocket Klip

PHILLIPS HEAD SCREW DRIVERS

No.	Point Size	Blade Length	Overall Length	Std. Pkg.	Pkg. Wt. Lbs.
4681	1	3"	6-5/8"	6	0.73
4682	2	4"	7-3/4"	6	1.23
4683	3	6"	10-1/8"	4	1.33
4684	4	8"	12-1/4"	2	1.89
*4688	1	1-1/4"	3"	6	0.48
*4689	2	1-1/2"	3-9/16"	6	0.79

CLUTCH HEAD SCREW DRIVERS

No.	Size	Blade Length	Overall Length	Std. Pkg.	Pkg. Wt. Lbs.
4640	5/32"	4"	7-5/8"	6	0.76
4641	3/16"	4"	7-3/4"	6	0.88
4642	1/4"	6"	10-1/8"	6	1.80
4643	5/16"	6"	10-1/4"	2	0.93
4644	3/8"	6"	10-1/4"	2	0.92
*4649	5/32"	1-1/2"	3-1/4"	6	0.48

*Stubby Handle Type

SPARK TESTING SCREW DRIVERS

The transparent, shockproof amber handle magnifies a neon tube inside which flashes when screw driver blade is applied to spark plug, secondary ignition circuit or high tension wiring.

No.	Blade Stock	Blade Length	Tip Width	Overall Length	Std. Pkg.	Pkg. Wt. Lbs.
4691	1/8"	2-1/4"	1/8"	5-1/8"	6	0.25
4692	3/16"	4"	3/16"	7-3/4"	6	0.78



4702
to
4740-10



4720
4731



182



4603
to
4616



4681
to
4684



4688
4689



4640
to
4644



4649



4691



4692

PUNCHES & CHISELS

Duro

TOOLS
OF
PROGRESS

Chrome

Made of forged hexagon alloy steel and heat treated for the correct hardness. Tips and cutting edges retain their shape even under the hardest use. The body and head are softer to withstand hammer blows without chipping. Manufactured to exact professional requirements in length and size. Tips and blades are brightly polished. Body is satin finish and fully chrome plated.

FLAT COLD CHISELS

No.	Bit or Point Size	Length	Size Stock	Std. Pkg.	Pkg. Wt. Lbs.
1900	3/8"	5"	5/16"	6	0.71
1901	1/2"	5-3/4"	3/8"	6	1.17
1902	5/8"	6"	1/2"	6	2.11
1903	3/4"	7"	5/8"	6	3.69
1904	7/8"	8"	3/4"	6	5.87
1905	1"	9"	7/8"	6	8.68

CAPE CHISELS

1910	7/32"	5"	5/16"	6	0.68
1911	5/16"	6"	3/8"	6	1.15
1912	3/8"	6"	1/2"	6	1.92

GOUGE CHISELS

1920	7/32"	5"	5/16"	6	0.73
1921	1/4"	6"	3/8"	6	1.09

DIAMOND POINT CHISELS

1931	1/8"	5-1/4"	3/8"	6	0.96
1933	1/4"	5-1/2"	3/8"	6	1.37

PIN PUNCHES

1940	3/32"	4-1/2"	5/16"	6	0.53
1941	1/8"	4-1/2"	5/16"	6	0.53
1942	5/32"	4-1/2"	5/16"	6	0.53
1943	5/32"	6"	5/16"	6	0.73
1944	3/16"	6-1/2"	3/8"	6	1.09
1945	7/32"	6-7/8"	3/8"	6	1.11
1946	1/4"	7-1/4"	3/8"	6	1.19
1947	5/16"	7-5/8"	1/2"	6	2.14

LONG TAPER PUNCHES

1950	3/32"	4-1/2"	5/16"	6	0.50
1951	1/8"	6-1/2"	5/16"	6	0.82
1952	3/16"	7"	3/8"	6	1.19
1953	7/32"	7-1/2"	1/2"	6	2.09
1954	1/4"	8"	5/8"	6	3.29
1955	9/32"	11"	5/8"	6	5.13

CENTER PUNCHES

1970		4"	5/16"	6	0.50
1971		5"	3/8"	6	0.95

LONG DRIFT PUNCHES

1990	1/4"	16"	5/8"	6	7.85
1991	7/32"	14"	1/2"	6	4.56
1992	3/16"	12"	3/8"	6	2.27

JIMMY PRY BARS

1981	1"	16"	5/8"	6	7.68
1982	1-1/8"	20"	3/4"	6	13.81

CLOSE QUARTER PRY BAR

1988	5/8"	15"	1/2"	6	5.22
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PUNCH & CHISEL SETS—SCREW EXTRACTORS

PUNCH & CHISEL SETS

A selection of three sets containing only the popular and most used sizes of each style. Furnished in a heavy gauge plastic roll-up kit with pockets for each tool.

15 PIECE PUNCH AND CHISEL SET

Contains three cold chisels 3/8", 1/2", 5/8"; one gouge chisel 1/4"; two cape chisels 7/32", 3/8"; one diamond point chisel 1/8"; three taper punches 3/32", 3/16", 7/32"; four pin punches 5/32", 3/16", 7/32", 1/4" one center punch.

NO. 19001

STD. PKG. 1—PKG. WT. 3.00 Lbs.

NO. DUK28 Kit Only

5 PIECE PUNCH AND CHISEL SET

Contains one 3/8" cold chisel; two pin punches, 3/32" and 1/8"; one taper punch 3/32"; and one center punch.

NO. 19002

STD. PKG. 1—PKG. WT. 0.50 Lb.

NO. DUK26 Kit Only

5 PIECE COLD CHISEL SET

Contains 1/2", 5/8", 3/4", 7/8" and 1" sizes.

NO. 19005

STD. PKG. 1—PKG. WT. 3.50 Lbs.

NO. DUK27 Kit Only

SCREW EXTRACTORS

FLUTED TYPE—Designed to remove broken studs, screws and pipe and pipe fittings. Correct drill size stamped on each tool. Forged from alloy steel.

TWIST TYPE—For removing broken threaded studs or screws. Made of forged alloy steel. Brightly plated finish.

FLUTED TYPE

TWIST TYPE

No.	Point Size	For Bolt Size	Use Drill Size	Pkg. Wt. Lbs.	No.	Point Size	For Bolt Size	Use Drill Size	Pkg. Wt. Lbs.
1381	1/8"	1/4-5/16"	1/8"	0.24	1391	1/8"	7/32-1/4"	5/32"	0.25
1382	11/64"	3/8-7/16"	3/16"	0.37	1392	3/16"	5/16-3/8"	7/32"	0.31
1383	13/64"	1/2-9/16"	15/64"	0.61	1393	1/4"	7/16-9/16"	9/32"	0.63
1384	19/64"	5/8"	5/16"	1.22	1394	3/8"	5/8-7/8"	13/32"	1.13
1385	11/32"	3/4"	3/8"	1.37	1395	7/16"	7/8-1-1/8"	15/32"	1.25
					1396	1/2"	1-1/8-1-3/8"	17/32"	1.25

STD. PKG. 6

5 PIECE SCREW EXTRACTOR SET

Contains fluted type extractors, Nos. 1381, 1382, 1383, 1384 and 1385. Use to remove bolt or stud sizes 1/4" thru 3/4". Furnished in a durable plastic roll-up kit with pockets for each tool.

NO. 1380 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 0.80 Lb.

NO. DUK243 Roll-Up Kit Only

4 PIECE SCREW EXTRACTOR SET

Contains twist type extractors, Nos. 1391, 1392, 1393 and 1394. Use to remove bolt or stud sizes 7/32" thru 7/8". Furnished in a durable vinyl plastic roll-up kit with pockets for each tool. Not illustrated. Similar to No. 1399.

NO. 1398 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 0.47 Lb.

NO. DUK29 Roll-Up Kit Only

6 PIECE SCREW EXTRACTOR SET

Contains twist type extractors, Nos. 1391, 1392, 1393, 1394, 1395 and 1396. Use to remove bolt or stud sizes 7/32" thru 1-3/8". Furnished in a durable plastic roll-up kit with pockets for each tool.

NO. 1399 Set In Roll-Up Kit

STD. PKG. 1—PKG. WT. 0.90 Lb.

NO. DUK30 Roll-Up Kit Only



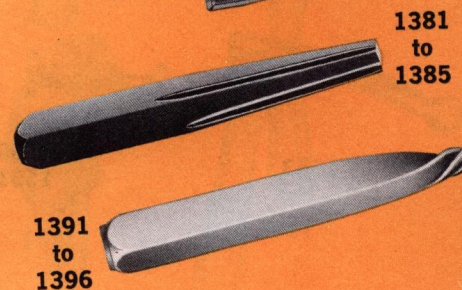
19001



19002



19005

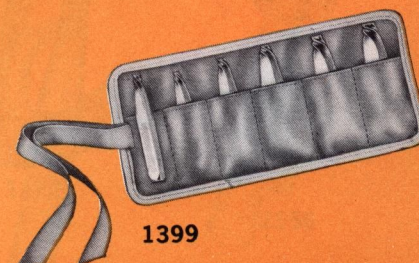


1381
to
1385

1391
to
1396



1380



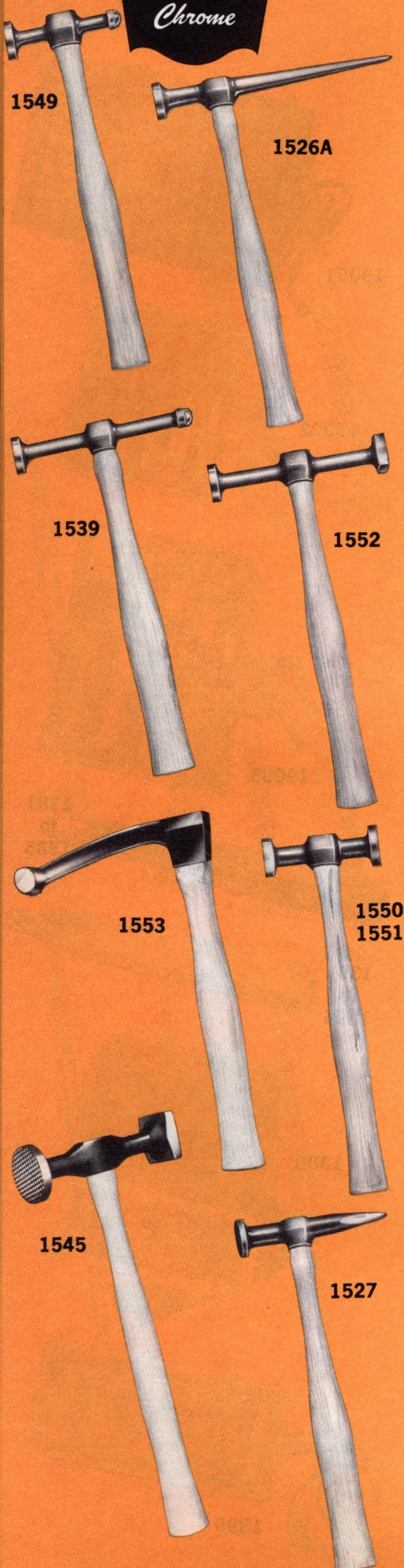
1399

BODY & FENDER HAMMERS

Duro

TOOLS
OF
PROGRESS

Chrome



DIMPLE DINGING HAMMER

Forged dinging hammer for close quarter work. 4" head has one face 1-1/4" diameter. Peen 5/8" diameter. Polished faces. Hickory handle. Weight 9 oz.

NO. 1549

STD. PKG. 4—PKG. WT. 2.82 Lbs.

LONG DIMPLE DINGING HAMMER

Hammer for dinging up low spots in metal finishing. Forged head has one 1-7/8" diameter face. Pick end 5-3/4" long tapering to 1/32" point. Overall length of head 8". Hickory handle. Weight 10 oz.

NO. 1526A

STD. PKG. 3—PKG. WT. 2.75 Lbs.

MEDIUM DINGING HAMMER

For dinging and driving up low spots. 6" length of forged head allows extra reach where needed. Head face 1-1/4" diameter. Peen 5/8" diameter. Hickory handle. Weight 11 oz.

NO. 1539

STD. PKG. 4—PKG. WT. 3.00 Lbs.

DINGING HAMMER

Drop forged dinging hammer for pounding down ridges, etc. Head 6" long with one face round 1-1/4" diameter, the other 1-1/8" square. Both faces highly polished. Hickory handle. Weight 13 oz.

NO. 1552

STD. PKG. 4—PKG. WT. 3.83 Lbs.

FENDER BUMPING HAMMER

Designed for heavy duty work. Has long reach essential for fender bumping. Polished hammer face is 1-1/4" diameter by 1-5/8" long. Drop forged head has overall length of 8-1/2". Hickory handle. Weight 2 lbs.

NO. 1553

STD. PKG. 4—PKG. WT. 8.50 Lbs.

BUMPING HAMMERS

Two bumping hammers similar in construction but different in weight. Weight difference is in thickness of head. Each drop forged head is 4" long and has two faces, one round 1-1/4" in diameter the other 1-1/4" square. Both faces polished. Hickory handle.

NO. 1551—10 Oz.

STD. PKG. 4—PKG. WT. 3.45 Lbs.

NO. 1550—13 Oz.

STD. PKG. 4—PKG. WT. 4.87 Lbs.

BODY & FENDER SHRINKING HAMMER

Round 1-3/4" diameter face has cross milled serrations for shrinking. Square 1-1/2" face is smooth for finishing. Length 12-1/2". Weight 16 oz.

NO. 1545

STD. PKG. 4—PKG. WT. 5.50 Lbs.

NARROW PEEN BUMPING HAMMER

Bumping hammer with narrow peen for small dents, beads, mouldings and sharp corners. Drop forged head has polished face 1-1/4" diameter. Peen is 3/16" thick and 3/4" wide. Overall length of head 5". Hickory handle. Weight 12 oz.

NO. 1527

STD. PKG. 3—PKG. WT. 2.82 Lbs.

BODY & FENDER TOOLS

TOE DOLLY

Exceptionally popular. Used mainly for flat or low crowned panels. Polished all over.

NO. 1584

STD. PKG. 1—PKG. WT. 2.28 Lbs.

UTILITY DOLLY

One of the most popular dollies in the line. Exceedingly useful because of the many practical working faces. Polished all over.

NO. 1586

STD. PKG. 1—PKG. WT. 2.69 Lbs.

WEDGE DOLLY

Heavy duty type that can also be used as a toe dolly. Flat bottom can be used for shrinking. Fully polished.

NO. 1582

STD. PKG. 1—PKG. WT. 2.56 Lbs.

"COMMA" OR WEDGE DOLLY

Can be used as a short spoon or wedge tool in roof rails, under fender curves, braces, etc. Fully polished.

NO. 1583

STD. PKG. 1—PKG. WT. 2.19 Lbs.

HEEL DOLLY

A basic repair tool. This dolly has almost square corners and a round and flat surface for general utility. Polished all over.

NO. 1585

STD. PKG. 1—PKG. WT. 2.25 Lbs.

CURVED DOLLY

Convenient for fenders and for reaching into corners. Polished working faces.

NO. 1581

STD. PKG. 1—PKG. WT. 2.23 Lbs.

CURVED FLAT SPOON

Needed to spread hammer blows on high spots and for prying up dents that are not easily accessible. Polished face 2" x 6".

NO. 1561

STD. PKG. 1—PKG. WT. 1.48 Lbs.

FLEXIBLE FILE & HOLDER

An essential tool for body repair men. Can be made either concave or convex with single adjustment. Comfortable form fit handle.

NO. 1572—14" Flexible File & Holder

STD. PKG. 1—PKG. WT. 2.59 Lbs.

NO. 1572H—Adjustable Holder Only

STD. PKG. 1—PKG. WT. 2.04 Lbs.

NO. 1571F—14" Flexible File Only

STD. PKG. 6—PKG. WT. 3.90 Lbs.

BODY DENT PULLER

Required tool for all body shops. Drill hole in dent, insert self-tapping screw or hook. Pull sliding hammer a few times and metal returns to it's original position.

NO. 2556—Length 13"

STD. PKG. 1—PKG. WT. 4.25 Lbs.

REPLACEMENT PARTS FOR BODY DENT PULLER

NO. 2556-2—Sheet Metal Screw

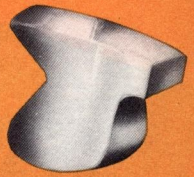
STD. PKG. 6—PKG. WT. 0.20 Lb.

NO. 2556-3—Hook

STD. PKG. 6—PKG. WT. 0.20 Lb.



1584



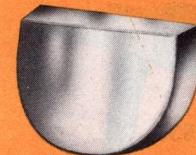
1586



1582



1583



1585



1581



1561



1572



2556



BODY & FENDER TOOLS—HAMMERS

16 PIECE BODY AND FENDER TOOL SET

A master set containing the most popular dollies, hammers, flexible file and spoon. Furnished in a heavy gauge metal box with handy tote tray.

No.	Description	No.	Description
1526A	Long Dimple Dinging Hammer	1561	Curved Spoon
1527	Narrow Peen Bumping Hammer	1581	Curved Dolly
1539	Medium Dinging Hammer	1582	Wedge Dolly
1549	Dimple Dinging Hammer	1583	"Comma" Dolly
1553	Fender Bumping Hammer	1584	Toe Dolly
1545	Shrinking Hammer	1585	Heel Dolly
1550	Bumping Hammer	1586	Utility Dolly
1552	Dinging Hammer	1572	Flexible File & Holder

NO. 1597 Set

STD. PKG. 1—PKG. WT. 41.00 Lbs.

NO. 9946G Box Only—19-7/16" x 8-3/4" x 8-1/2"—Green Enamel Finish

STD. PKG. 1—PKG. WT. 12.50 Lbs.



1597

CROSS PEEN OR BLACKSMITH HAMMER

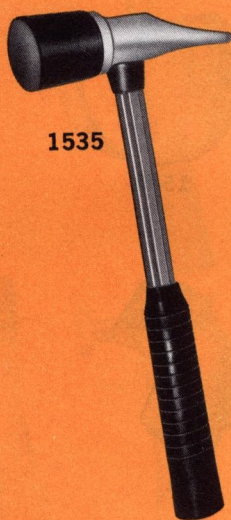
Head is made of forged carbon steel and heat treated for maximum durability. Fiberglass handle and head are permanently welded together with a two component bonding method. Head cannot fly off or loosen even under the severest use. Fully meets Federal Specification GGG-H-86c. Weight 2-1/2 lbs. Handle length 16".

NO. 1524

STD. PKG. 2—PKG. WT. 5.50 Lbs.



1524



1535

TIRE HAMMER

For breaking loose stubborn tire beads on passenger and truck rims. Dual head has tapered steel nose on one end and round rubber nose on the other end. Use steel end to loosen and rubber end to remount. Hammer head is permanently secured to Fiberglass Handle. Head cannot fly off or loosen even under the severest use. Weight 2-1/2 lbs. Length 16".

NO. 1535

STD. PKG. 2—PKG. WT. 6.75 Lbs.

RUBBER MALLETS

These special composition rubber mallets have the unusual feature of all being the same head size, about 2" in diameter and 3-1/4" long, but having different weights distinguished by handle color.

NO. 1537—18 Oz.

STD. PKG. 4—PKG. WT. 5.93 Lbs.

NO. 1538—24 Oz.

STD. PKG. 4—PKG. WT. 7.12 Lbs.



1537
1538



1532-1
1532-16

REPLACEMENT HAMMER HANDLE KITS

Contains one Fiberglass Handle and all material required to permanently bond hammer head to handle. Kit is Skin Packed on an attractive merchandiser card for rack or wall display. Complete instructions are printed on back of card. The two kits listed below will cover 95% of all hammer head sizes.

NO. 1532-1—Fits all Ball Peen head sizes up to 16 oz. and Plastic Tip heads up to 16 oz.

STD. PKG. 10—PKG. WT. 4.75 Lbs.

NO. 5132-16—Fits all Ball Peen, Carpenters, Plastic Tip and Blacksmith's head sizes over 16 oz. and up to 48 oz.

STD. PKG. 10—PKG. WT. 5.50 Lbs.

CLAW, BALL PEEN & PLASTIC TIP HAMMERS

CLAW HAMMERS

Carpenter's quality manufactured to fully meet Federal Specification GGG-H-86c. Heads are made of drop forged carbon steel, heat treated three ways for maximum durability. The face and claws are tempered separately for extra strength. Hammer head is epoxy bonded to the Fiberglass Handle.

No.	Weight	Handle Length	Std. Pkg.	Pkg. Wt. Lbs.
CURVED CLAW				
1512A	16 oz.	13"	6	9.13
STRAIGHT CLAW				
1513A	16 oz.	13"	6	9.13

BALL PEEN HAMMERS

Machinists' quality with rugged, drop forged carbon steel heads, triple heat treated for maximum durability. Face, sides and peen are polished. Neck and bell part of hammer head is finished in black. Hammer head is epoxy bonded to the Fiberglass Handle. Fully meets Federal Specification GGG-H-86c.

No.	Weight	Handle Length	Std. Pkg.	Pkg. Wt. Lbs.
1530-2B	2 oz.	9"	3	1.15
1530-4B	4 oz.	10"	3	1.69
1530-8B	8 oz.	11"	6	4.84
1530-12B	12 oz.	12"	3	3.31
1530-16B	16 oz.	13"	6	8.06
1530-20B	20 oz.	14"	3	5.00
1530-24B	24 oz.	14"	3	6.00
1530-32B	32 oz.	16"	3	8.00

SURFACE PROTECTIVE PLASTIC TIP HAMMERS

Designed for use where ordinary steel hammers cannot be used. Special compounded plastic tip prevents damage to the work surface. Fiberglass handle is permanently welded to the holder head. Furnished with two replaceable tips; medium and tough. Meets Federal Specification GGG-H-33a.

No.	Weight	Tip Dia.	Handle Length	Std. Pkg.	Pkg. Wt. Lbs.
1578	10 oz.	1-1/4"	11-1/4"	4	3.56
1579	16 oz.	1-3/8"	11-1/4"	4	4.38
1580	32 oz.	1-5/8"	12-3/4"	4	8.25

REPLACEMENT HAMMER TIPS

Replacement tips for above hammers.

No.	Tip Dia.	Fits Hammer No.	Description	Std. Pkg.	Pkg. Wt. Lbs.
1578-2	1-1/4"	1578	Medium	6	0.39
1578-3	1-1/4"	1578	Tough	6	0.39
1579-2	1-3/8"	1579	Medium	6	0.44
1579-3	1-3/8"	1579	Tough	6	0.44
1580-2	1-5/8"	1580	Medium	6	0.50
1580-3	1-5/8"	1580	Tough	6	0.50



1512A



1513A



1530-2B
to
1530-32B

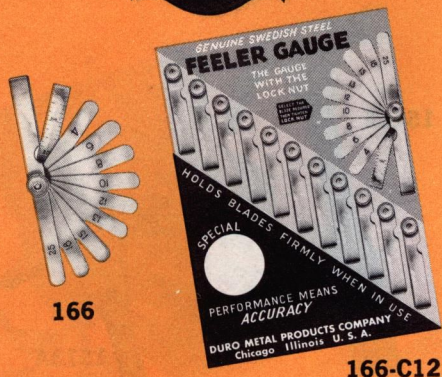


1578
to
1580



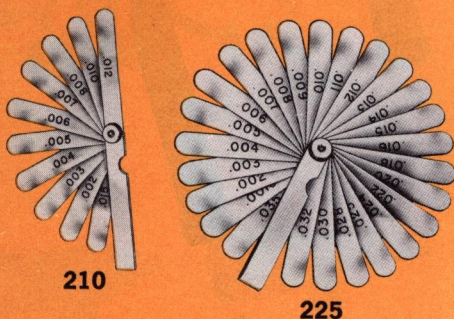
1578-2
to
1580-3

FEELER GAUGES



166

166-C12



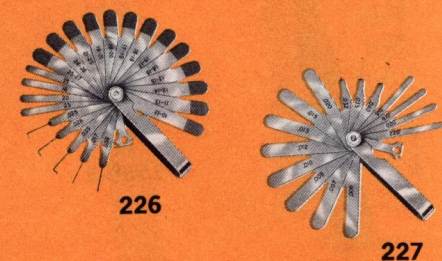
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226

227

Gauges are precision made from finest grade Swedish steel. Each blade is tested to insure exact thickness. All gauges have knurled lock-nuts for instant blade selection or blade positioning. Blades are etched with decimal sizes and their metric equivalents.

ALL PURPOSE GAUGE

A quality feeler gauge for general use. Nine thickness gauges ranging from .004 to 0.25 with 3" scale. Locking nut holds blade firmly when in use. Sizes: .004, .006, .008, .010, .012, .013, .015, .018, .025, 3" scale.

NO. 166—Feeler Gauge

STD. PKG. 6—PKG. WT. 0.50 Lb.

NO. 166-C12—Card of 12

STD. PKG. 1—PKG. WT. 1.50 Lbs.

STANDARD FEELER GAUGE

This Gauge has 10 blades 3-5/16" long x 1/2" wide in popular thicknesses for piston ring clearances, valve clearances, brake shoe clearance and distributor breaker point opening. Sizes: .002, .003, .004, .005, .006, .007, .008, .010, .012, .015.

NO. 210—Standard Feeler Gauge

STD. PKG. 6—PKG. WT. 0.50 Lb.

MASTER FEELER GAUGE

The Master Feeler Gauge is a necessity around any automotive repair shop or manufacturing plant. This gauge offers a complete range of sizes from .0015 to .035 with 25 blades 3-5/16" long x 1/2" wide. Like all DURO-CHROME Feeler Gauges, it is equipped with a thumb locking nut. Sizes: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032, .035.

NO. 225—Master Feeler Gauge

STD. PKG. 6—PKG. WT. 1.31 Lbs.

PISTON FEELER GAUGE

Eight Blade Gauge adapted to fitting pistons. Every recommended clearance is contained in this gauge. Blades 9" long and held in position by locking nut. Sizes: .002, .003, .004, .005, .006, .008, .010, .015.

NO. 207

STD. PKG. 6—PKG. WT. 1.00 Lb.

BRAKE FEELER GAUGE

Nine blades, 4" long, narrowed down to 1/4" width for accurate setting of brake clearances. Also will check fits of master and wheel piston to cylinder. Sizes: .002, .004, .005, .006, .007, .008, .010, .012, .015.

NO. 221

STD. PKG. 6—PKG. WT. 0.28 Lb.

UNIVERSAL O.H.V. GAUGE

Contains sixteen blades, 3-5/16" x 1/2", 45° offset, for checking valve clearances on most V-8 engines. Sizes: .009, .010, .011, .014, .015, .016, .017, .018, .019, .020, .021, .023, .024, .025, .026, .027.

NO. 222

STD. PKG. 6—PKG. WT. 1.40 Lbs.

FORD FEELER GAUGE

A necessity for a mechanic working on Ford cars. Has three bent wire gauges, .025, .028, .035 for spark plug gaps and two straight wire gauges, .017, .030. Four 3-5/16" x 1/4" ignition blades, .015, .016, .020, .025; also, thirteen step-ground 3-5/16" x 1/2" Go-No-Go blades of the following thicknesses: .010-.012, .011-.013, .012-.014, .013-.015, .014-.016, .015-.017, .016-.018, .017-.019, .018-.020, .019-.021, .021-.023, .024-.026, .025-.027. Handy spark plug electrode bender included.

NO. 226

STD. PKG. 6—PKG. WT. 1.26 Lbs.

CHEVROLET FEELER GAUGE

Especially designed for use on Chevrolet cars. Has three bent wire gauges, .032, .035, .040 and four 3-5/16" x 1/4" ignition blades, .016, .018, .020, .022. Also contains eight 3-5/16" x 1/2" regular blades in the following sizes: .006, .007, .008, .010, .012, .013, .015, .020 and electrode bending tool.

NO. 227

STD. PKG. 6—PKG. WT. 0.82 Lb.

FEELER GAUGES

Gauges are precision made from finest grade Swedish steel. Each blade is tested to insure exact thickness. All gauges have knurled lock-nuts for instant blade selection or blade positioning. Blades are etched with decimal sizes and their metric equivalents.

GO-NO-GO GAUGE

Contains 15 - 3-5/16" x 1/2" step-ground blades in the following thicknesses:

.006-.008	.009-.011	.012-.014	.015-.017	.018-.020
.007-.009	.010-.012	.013-.015	.016-.018	.019-.021
.008-.010	.011-.013	.014-.016	.017-.019	.020-.022

NO. 224

STD. PKG. 6—PKG. WT. 1.00 Lb.

SPARK PLUG WIRE GAUGE

The correct way to measure the gap between spark plug electrodes. Eight sizes to fit all modern engines. Sizes: .022, .025, .028, .030, .032, .035, .038 and .040.

NO. 208A

STD. PKG. 6—PKG. WT. 0.50 Lb.

IGNITION GAUGE

Gauge consists of 12 blades 1-3/4" long x 1/4" wide tapered, and is used very extensively in the adjustment of distributor breaker points on all cars, trucks, etc. Can be used to set the gap on new spark plugs. Blade sizes: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, and .025.

NO. 214

STD. PKG. 6—PKG. WT. 0.31 Lb.

MASTER IGNITION GAUGE

This gauge services all foreign and domestic cars. Contains 16 blades 1-3/4" x 1/4". Sizes are: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .024, .025, .028, .030, .032.

NO. 229

STD. PKG. 6—PKG. WT. 0.37 Lb.

COMBINATION IGNITION AND SPARK PLUG GAUGE

Wire and narrow blade sizes to check the majority of ignition gap tolerances. Contains 15 blades 1-3/4" x 1/4". Sizes: .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .024, .025, .028, .030, .032. Wire gauge sizes: .022, .025, .028, .030, .032, .035, .038, .040 and 1 tungsten file.

NO. 230

STD. PKG. 6—PKG. WT. 0.50 Lb.

COMBINATION GAUGE

A combination gauge for both ignition and tappet work. One end has ten 3" x 1/2" blades for tappet and valve work—the other has twelve 1-3/4" x 1/4" blades for breaker point, spark plug, carburetors, and other adjustments confined to small working space.

LONG BLADE SIZES

.002, .003, .004, .005,
.006, .007, .008, .010,
.013, .015.

SHORT BLADE SIZES

.011, .012, .013, .014,
.015, .016, .017, .018,
.019, .020, .022, .025.

NO. 228

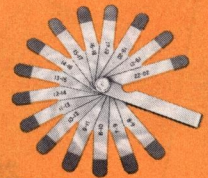
STD. PKG. 6—PKG. WT. 0.68 Lb.

SPARK PLUG GAPPING TOOL

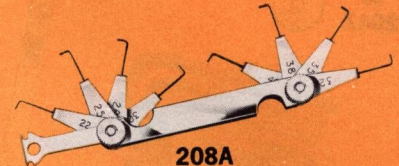
Gap spark plugs quickly and accurately with this time saving tool. Gauging and setting electrodes in one quick operation. For proper usage, instructions included. Gauge wheel sets opening, .018, .020, .022, .025, .027, .028, .030, .032, .034, .035.

NO. CF-71

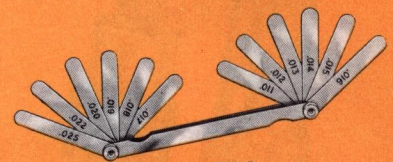
STD. PKG. 1—PKG. WT. 0.75 Lb.



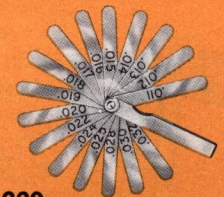
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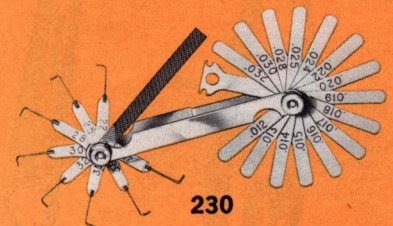
208A



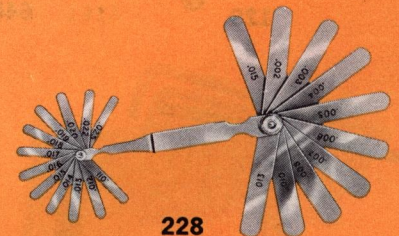
214



229



230



228



CF-71

FEELER GAUGE BLADES—BATTERY TOOLS

FEELER GAUGE REPLACEMENT BLADES

Standard 3-1/4" length blades to replace worn or broken blades in Feeler Gauges. Available in 25 thicknesses as listed below. Packed six of one size in envelope.

No.	Thick. Inches	Std. Pkg.	No.	Thick. Inches	Std. Pkg.	No.	Thick. Inches	Std. Pkg.
204A	.0015	6	204J	.010	6	204S	.020	6
204B	.002	6	204K	.011	6	204T	.022	6
204C	.003	6	204L	.012	6	204U	.024	6
204D	.004	6	204M	.013	6	204V	.025	6
204E	.005	6	204N	.014	6	204W	.028	6
204F	.006	6	204P	.015	6	204X	.030	6
204G	.007	6	204Q	.016	6	204Y	.032	6
204H	.008	6	204R	.018	6	204Z	.035	6
204HH	.009	6						

FEELER GAUGE STOCK

Made of fine quality Swedish Steel, accurately sized and scientifically hardened. Available in 12" lengths and 22 thicknesses as listed below. Packed six of one size in an envelope.

No.	Thick. Inches	Std. Pkg.	No.	Thick. Inches	Std. Pkg.	No.	Thick. Inches	Std. Pkg.
205A	.0015	6	205K	.011	6	205S	.020	6
205B	.002	6	205L	.012	6	205T	.022	6
205C	.003	6	205M	.013	6	205U	.024	6
205D	.004	6	205N	.014	6	205V	.025	6
205E	.005	6	205P	.015	6	205W	.026	6
205F	.006	6	205Q	.016	6	205Y	.032	6
205H	.008	6	205R	.018	6	205Z	.035	6
205J	.010	6						

BATTERY SERVICE TOOLS

TERMINAL AND POST CLEANER

Metal brush shaped to fit inside terminal clamps, removes corrosion quickly. Metal brush in base of tool is used to clean battery posts. Steel case with easy grip knurling. Length 3-3/8".

NO. 131

STD. PKG. 1—PKG. WT. 0.25 Lb.

BATTERY TERMINAL CLAMP SPREADER

This handy tool is actually three tools in one. Spreads and cleans terminal clamp in one operation. Post cleaner is located on handle, length 7-1/2".

NO. 129

STD. PKG. 1—PKG. WT. 0.63 Lb.

TERMINAL LIFTER AND WRENCH

The forked end of this lifter slides under the clamp, a simple cam action then lifts the clamp from the post. Built into the handle of this Alloy tool is a 9/16" 12 point box wrench which fits most battery clamp nuts. Clamp spreader built in. Length 6-1/2".

NO. 648

STD. PKG. 6—PKG. WT. 2.00 Lbs.

TERMINAL CLAMP LIFTER

Even the most corroded terminals can be lifted with this heavy duty tool. The harder the pull, the tighter the jaws grip the clamp removing it effortlessly with no danger of damaging the battery.

NO. 130A

STD. PKG. 1—PKG. WT. 0.50 Lb.

WIRE HAND BRUSHES

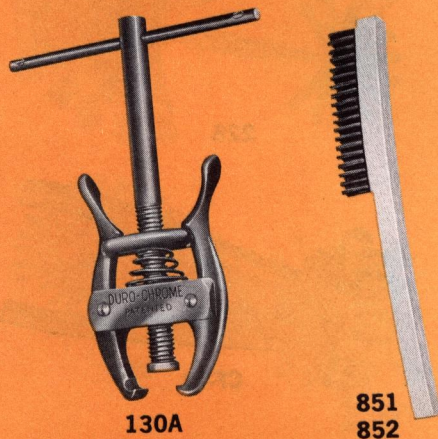
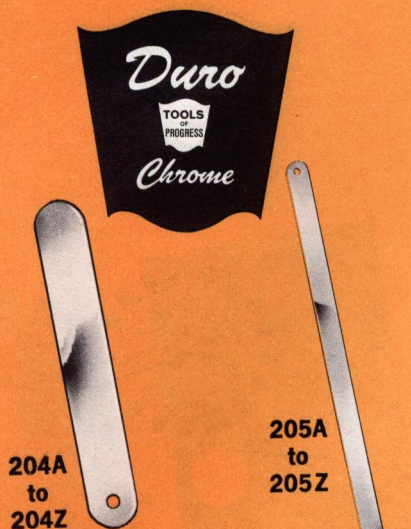
Stiff wire brushes for general use. Ideal for removing carbon, rust, paint, etc. Length 14" overall. 6-1/4" of bristle.

NO. 851—3 Row Brush

STD. PKG. 6—PKG. WT. 2.60 Lbs.

NO. 852—4 Row Brush

STD. PKG. 6—PKG. WT. 3.50 Lbs.



HOLLOW HEAD SET SCREW WRENCHES

U. S. STANDARD SIZES

Hexagon type for hollow head set screws. Made of fine quality alloy steel and scientifically hardened. Each size is made to the exact tolerance for a perfect screw fit. Brightly plated finish.

REGULAR LENGTH

LONG LENGTH

No.	Size	Length	Pkg. Wt. Lbs.	No.	Size	Length	Pkg. Wt. Lbs.
0202A	1/16"	1-11/16"	0.09	0202L	5/64"	3"	0.18
0202	5/64"	1-7/8"	0.12	0203L	3/32"	3-3/8"	0.26
0203	3/32"	2"	0.18	0204AL	7/64"	3-1/2"	0.31
0204A	7/64"	2-1/8"	0.19	0204L	1/8"	3-3/4"	0.50
0204	1/8"	2-1/4"	0.33	0205AL	9/64"	4"	0.50
0205A	9/64"	2-3/8"	0.36	0205L	5/32"	4-1/8"	0.75
0205	5/32"	2-1/2"	0.50	0206L	3/16"	4-1/2"	1.22
0206	3/16"	2-3/4"	0.85	0207L	7/32"	4-7/8"	1.75
0207	7/32"	3"	1.18	0208L	1/4"	5-1/4"	2.00
0208	1/4"	3-1/4"	1.68	*0210L	5/16"	6"	2.17
*0210	5/16"	3-3/4"	2.00	*0212L	3/8"	6-3/4"	3.55
*0212	3/8"	4-1/4"	2.49				

For additional wrench size information and usage see chart on page 96

STD. PKG. 24
*STD. PKG. 12

7 PIECE SET—REGULAR LENGTHS

Contains seven popular sizes—5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4".

NO. 199A Set In Vinyl Pouch

STD. PKG. 6—PKG. WT. 1.25 Lbs.

NO. DUK157 Pouch Only

STD. PKG. 1

12 PIECE SET—REGULAR LENGTHS

The complete range of wrenches packed in a plastic pouch. Sizes are: 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8".

NO. 198 Set In Vinyl Pouch

STD. PKG. 6—PKG. WT. 3.75 Lbs.

NO. DUK190 Pouch Only

STD. PKG. 1

DISPLAY MERCHANDISER

Attractive metal box merchandiser for displaying and storing all regular length hollow head set screw wrenches. Contains 12 of each wrench sizes 1/16" thru 1/4", and 6 of each, sizes 5/16" and 3/8".

NO. 200-1DM

STD. PKG. 1—PKG. WT. 7.50 Lbs.

7 PIECE SET—LONG LENGTHS

The most frequently used long type wrenches are offered in this popular priced, plastic pouch set. Sizes are: 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4".

NO. 191A Set In Vinyl Pouch

STD. PKG. 6—PKG. WT. 2.00 Lbs.

NO. DUK160 Pouch Only

STD. PKG. 1

11 PIECE SET—LONG LENGTHS

The complete range of long type wrenches packed in a plastic pouch. Sizes are: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8".

NO. 195 Set In Vinyl Pouch

STD. PKG. 6—PKG. WT. 6.00 Lbs.

NO. DUK189 Pouch Only

STD. PKG. 1

METRIC SIZES—REGULAR LENGTHS

BLACK FINISH

No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.	No.	Size	Length	Std. Pkg.	Pkg. Wt. Lbs.
0202MM	2MM	2"	12	0.09	0206MM	6MM	3-1/4"	12	0.84
0203MM	3MM	2-1/4"	12	0.15	0208MM	8MM	4"	12	2.00
0204MM	4MM	2-1/2"	12	0.25	0210MM	10MM	4-3/8"	12	2.49
0205MM	5MM	3"	12	0.60					

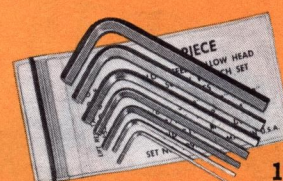
7 PIECE SET—METRIC SIZES

BLACK FINISH

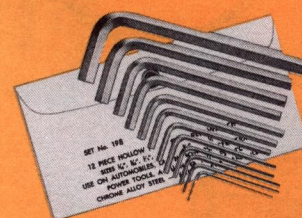
Regular length, accurately sized in millimeters. For use on Foreign made cars, motorcycles, and machinery. Black finish. Set contains the following sizes: 2MM, 3MM, 4MM, 5MM, 6MM, 8MM, 10MM. Furnished in a durable, snap open, vinyl pouch.

NO. 199MM Set In Pouch

STD. PKG. 6—PKG. WT. 2.88 Lbs.



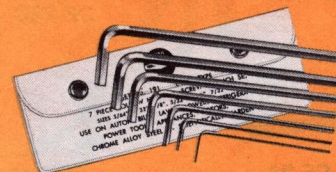
199A



198



200-1DM



191A

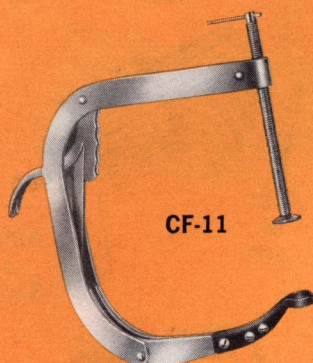


195



199MM

VALVE SERVICE TOOLS



CF-11

NO. CF-11

STD. PKG. 1—PKG. WT. 6.31 Lbs.

HIGH COMPRESSION ENGINE VALVE LIFTER

Designed especially for V-8 car and truck engines with overhead valving. Clearance 9-3/4" high and 7" wide. CF-22C jaw furnished.

NO. CF-17

STD. PKG. 1—PKG. WT. 4.90 Lbs.

COMPACT AND SMALL ENGINE VALVE LIFTER

Handles springs 7/8" to 1-1/2" diameter. Clearance 6-1/2" high and 6-1/4" wide. CF-18B-5 jaw furnished.

NO. CF-18B

STD. PKG. 1—PKG. WT. 3.06 Lbs.

EXTRA JAWS FOR ABOVE VALVE LIFTERS

NO. CF-21A Straight Jaw, 7/8" to 1-7/8" spring diameter.

NO. CF-22C Offset Jaw, overhead work, 1" to 2" spring diameter.

NO. CF-23 Large Straight Jaw, 1-1/2" to 2-1/2" spring diameter.

NO. CF-18B-5 Hi-rise Jaw, 7/8" to 1-5/8" spring diameter for foreign cars.

ALL ABOVE JAWS PACKED ONE PAIR TO STD. PKG. —PKG. WT. 0.25 Lb.

SPLIT LOCK REPLACER

Tool to replace tapered split locks on valve stems. Use with all screw type "C" clamp lifters.

NO. CF-7

STD. PKG. 6—PKG. WT. 1.81 Lbs.

"SHORTY" VALVE LIFTER

Use on all L-head in line engines using straight stem valves.

NO. CF-49A

STD. PKG. 1—PKG. WT. 1.28 Lbs.

VALVE SPRING COMPRESSOR

Designed for use in removing overhead valve springs without removing the cylinder heads. The Hex Head on the center screw can be turned with a 1/2" socket and ratchet wrench to speed up the operation. When working in areas with close quarters, use the slide "T" handle to turn center screw. The length of the jaws and projection of the lips are long enough for use on high performance engines. The jaws are offset to grip valve springs in parallel compression position. For use on G.M., Ford, Chrysler and American Motors passenger car and light truck engines. Contrasting cadmium and black oxide finish.

NO. 55

STD. PKG. 1—PKG. WT. 0.12 Lb.



CF-21A



CF-22C



CF-23



CF-18B-5



CF-7



CF-49A



55

ENGINE & BRAKE CYLINDER HONES

DEGLAZING AND RESURFACING HONES

Adjustable hone for 2" to 5-1/4" cylinders. Equipped with 3 medium grit stones.

NO. CF-60-CS

STD. PKG. 1—PKG. WT. 1.13 Lbs.

REPLACEMENT STONES FOR CF-60-CS

MEDIUM GRIT: Set of 3 stones in plastic case. Length 3".

NO. CF-61-12S

STD. PKG. 1—PKG. WT. 0.28 Lb.

FINE GRIT: Set of 3 stones in plastic case. Length 3".

NO. CF-61-14S

STD. PKG. 1—PKG. WT. 0.28 Lb.

PRESET TENSION GLAZE BREAKER

This tool has preset tension, 2" to 7" capacity. Equipped with 4" medium grit stones.

NO. CF-62

STD. PKG. 1—PKG. WT. 1.13 Lbs.

REPLACEMENT STONES FOR CF-62

MEDIUM GRIT: Set of 3 stones in plastic case. Length 4".

NO. CF-62-12

STD. PKG. 1—PKG. WT. 0.28 Lb.

FINE GRIT: Set of 3 stones in plastic case. Length 4".

NO. CF-62-14

STD. PKG. 1—PKG. WT. 0.28 Lb.

BRAKE CYLINDER HONE

Use in cylinders 3/4" to 2-1/4" diameter. Equipped with 3 medium grit stones.

NO. CF-63

STD. PKG. 1—PKG. WT. 0.25 Lb.

REPLACEMENT STONES FOR CF-63

MEDIUM GRIT: Set of 3 stones in plastic case. Length 1-1/8".

NO. CF-63-1

STD. PKG. 1—PKG. WT. 0.06 Lb.

FINE GRIT: Set of 3 stones in plastic case. Length 1-1/8".

NO. CF-63-14

STD. PKG. 1—PKG. WT. 0.06 Lb.

FINE GRIT: For No. CF-63 Hone, for disc brakes. Packed in plastic case. Length 3/4".

NO. CF-63-34

STD. PKG. 1—PKG. WT. 0.06 Lb.

SMALL CYLINDER HONE

For resurfacing small engine cylinders on motorcycles, lawnmowers and outboard motors. Can also be used on Volkswagen brake cylinders. Adjustable from 1/2" to 2-1/4" diameter. Equipped with 2 medium grit stones.

NO. CF-64

STD. PKG. 1—PKG. WT. 0.25 Lb.

REPLACEMENT STONES FOR CF-64

MEDIUM GRIT: Set of 2 stones in plastic case. Length 1-1/8".

NO. CF-64-1

STD. PKG. 1—PKG. WT. 0.05 Lb.

FINE GRIT: Set of 2 stones in plastic case. Length 1-1/8".

NO. CF-64-14

STD. PKG. 1—PKG. WT. 0.05 Lb.

DISC BRAKE CYLINDER HONE

For use in honing disc brake cylinders larger than 1-1/4" diameter. Also for use on small engine cylinders. Adjustable from 1-1/4" to 3-1/2" diameter. Equipped with 3 fine grit stones, 3/4" long, suitable for disc brake honing.

The CF-63 stones listed above can be used with this hone.

NO. CF-68

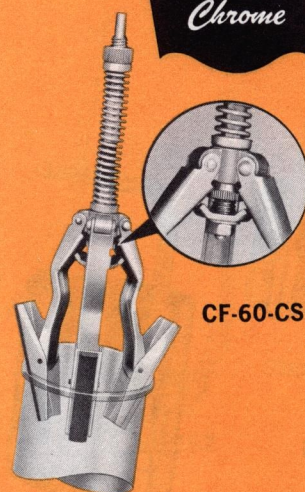
STD. PKG. 1—PKG. WT. 0.30 Lb.

DISC BRAKE CYLINDER COMPRESSOR

A specially designed tool for fast removal and servicing disc brake calipers on cars with Budd type disc brakes. Maximum jaw width 2-3/4". Length 10-3/4".

NO. CF-48

STD. PKG. 1—PKG. WT. 1.75 Lbs.



CF-60-CS



CF-61-12S
CF-61-14S
CF-62-12
CF-62-14



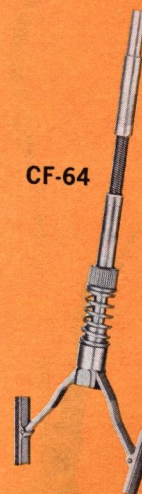
CF-62



CF-63



CF-63-1
CF-63-14
CF-63-34



CF-64



CF-64-1
CF-64-14



CF-68



CF-48

PISTON SERVICE TOOLS



SMALL ENGINE RING COMPRESSOR

1-1/2" to 3" DIAMETER

Designed specifically for use on foreign cars and small gas engines. Spring steel compression band, 2-1/2" high. Single tension band with adjustable friction brake.

NO. 793

STD. PKG. 1—PKG. WT. 0.25 Lb.

STANDARD PISTON RING COMPRESSOR

2-1/8" to 5" DIAMETER

Fits practically all pistons except those having a ring on the lower skirt. Band depth is 2-1/8". Extra heavy spring steel tension band held firmly in place by automatic friction brake. L handle adjusts compressor easily to the diameter required.

NO. 785

STD. PKG. 1—PKG. WT. 0.50 Lb.

TWIN BAND PISTON RING COMPRESSOR

The "Twin Band" feature eliminates flare out as well as compressing the rings tightly. Beaded bottom edge prevents the tool from entering the cylinder. L handle operates the self locking, heavy duty ratchet pawl. Band depth is 3-1/2".

2-1/8" to 5" DIAMETER

NO. 790

STD. PKG. 1—PKG. WT. 0.80 Lb.

3-1/2" to 7" DIAMETER

NO. 790T

STD. PKG. 1—PKG. WT. 0.82 Lb.

HEAVY DUTY PISTON RING COMPRESSOR

3-1/2" to 7" DIAMETER

Designed for use on truck, tractor or diesel engine. Band depth is 6-1/2". Has four tension bands and ratchet type tension holding device. Use on pistons when the extreme distance from top to skirt is more than 3-1/2".

NO. 790S

STD. PKG. 1—PKG. WT. 1.75 Lbs.

MASTER PISTON RING GROOVE CLEANER

Adjustable type for pistons 2 to 5 inches in diameter. Comes complete with two cutter wheels. No. 792A cutter wheel has four blades, 1/16", .070", 1/8" and 7/32". No. 792B cutter wheel has four blades, 5/64", 3/32", 5/32" and 3/16".

NO. 792 Groove Cleaner

STD. PKG. 1—PKG. WT. 0.66 Lb.

NO. 792A Replacement Cutter Wheel

STD. PKG. 4—PKG. WT. 0.14 Lb.

NO. 792B Replacement Cutter Wheel

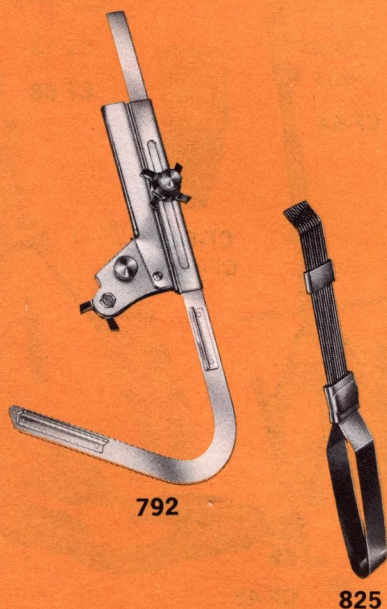
STD. PKG. 4—PKG. WT. 0.14 Lb.

CARBON SCRAPER

A handy tool for use in cleaning carbon from cylinder heads, blocks, valve parts, etc. Ten tempered spring steel blades are controlled by a simple slide to adjust the rigidity. Length 8-7/8".

NO. 825

STD. PKG. 6—PKG. WT. 1.99 Lbs.



BRAKE SERVICE & SPECIAL PURPOSE TOOLS

STAR NUT BRAKE ADJUSTING TOOLS

Designed of square stock to enable a firm, no slip grip. Ends of both tools notched to prevent slipping off adjusting wheel. Alloy steel, heat treated to lessen wear. Ends ground and polished. Chrome plated.

LONG PATTERN—9-1/2"

With side notched and ends angled to clear obstructions.

NO. 2161

STD. PKG. 6—PKG. WT. 2.19 Lbs.

SHORT PATTERN—6"

NO. 2162

STD. PKG. 6—PKG. WT. 1.56 Lbs.

BRAKE SPRING TOOLS

Brake shoe retaining spring tool for removing and replacing dish type washer. Knurled cup securely grips washer. Notched for washers with ears. Plastic handle.

NO. 2165

STD. PKG. 6—PKG. WT. 1.75 Lbs.

Brake spring tool has special socket for removing return spring. Opposite end designed for replacing spring. Brightly plated.

NO. 3430

STD. PKG. 6—PKG. WT. 2.50 Lbs.

BRAKE SPRING PLIER

Pointed jaw grips in shoe lining while hook draws spring into position. One handle has cam to remove spring from post. The other handle is grooved for replacing spring. Forged alloy steel. Chrome plated.

NO. 2126—Length 13-1/2"

STD. PKG. 3—PKG. WT. 2.81 Lbs.

STUD REMOVER

Eccentric roller grips stud firmly. Convenient and fast to use with 1/2" square drive handles. Heat treated alloy steel. Cadmium plated. Capacity—1/4" thru 3/4".

NO. 251

STD. PKG. 1—PKG. WT. 1.23 Lbs.

FLEXIBLE MECHANICAL FINGER

A most useful tool for retrieving small parts, nuts, bolts and screws where the fingers cannot reach. Overall length 15" with 8" flexible section.

NO. 815

STD. PKG. 6—PKG. WT. 2.50 Lbs.

FLEXIBLE DRIVER SET—1/4" SQUARE DRIVE

Complete set includes No. 2820-1 to No. 2820-5.

NO. 2820

STD. PKG. 1—PKG. WT. 0.75 Lb.

FLEXIBLE DRIVER

The flexible driver is 21" in length. The 3-1/2" flexible section permits bending of the tool around obstructions. In addition to the adaptors illustrated, the driver can be used with all 1/4" square drive sockets and fittings.

NO. 2820-1

STD. PKG. 6—PKG. WT. 2.90 Lbs.

HOLLOW HEAD SET SCREW WRENCH ADAPTOR

1/8" size specifically designed to adjust Delco Remy Distributors. 1/4" square drive.

NO. 2820-2

STD. PKG. 6—PKG. WT. 0.50 Lb.

CARBURETOR ADJUSTING ADAPTOR

For many late model G.M., Ford and Chrysler cars. 1/4" square drive.

NO. 2820-3

STD. PKG. 6—PKG. WT. 0.25 Lb.

SCREW STARTER ADAPTOR

For use with slotted type screws. 1/4" square drive.

NO. 2820-4

STD. PKG. 6—PKG. WT. 0.25 Lb.

MAGNET ADAPTOR

Powerful Alnico Magnet for retrieving nuts, bolts, screws and small steel parts from hard to reach places.

NO. 2820-5

STD. PKG. 6—PKG. WT. 0.50 Lb.



2161



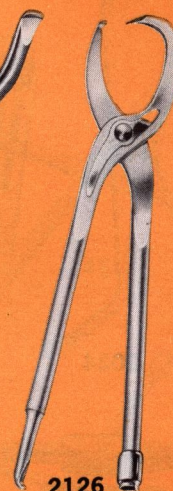
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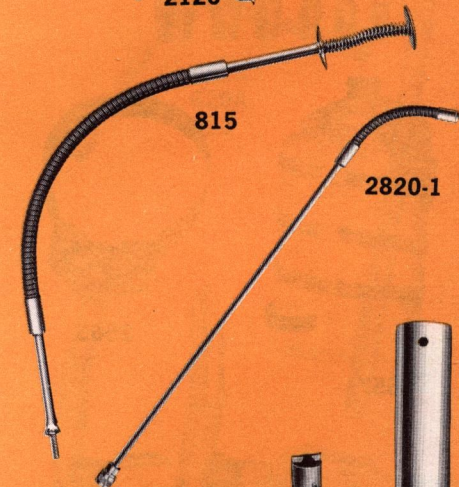
3430



2126



251



815

2820-1



2820-2



2820-3



2820-4



2820-5

SPECIAL PURPOSE TOOLS



174-C12

QUALITY IGNITION FILES

Clear: cutting, fine, Tungsten ignition files. Specially designed for distributor and other electrical contacts. Mounted 12 on a colorful display.

NO. 174-C12

STD. PKG. 1—PKG. WT. 0.25 Lb.

OFFSET DISTRIBUTOR WRENCHES

1/2" Distributor Wrench with proper angle for work on Ford, Lincoln and Mercury.

NO. 2023

STD. PKG. 6—PKG. WT. 3.00 Lbs.

9/16" Special Wrench for distributors on Chevrolet V-8 and Buicks. 12 point. Length 11-3/4".

NO. 2024

STD. PKG. 6—PKG. WT. 5.00 Lbs.

DRAWN SPARK PLUG SOCKET

2 piece, double end spark plug socket—consists of socket with two hexagon openings, 13/16" and 7/8", fits 14MM and 18MM spark plugs. Comes complete with "L" handle for easy turning of wrench.

NO. 1441

STD. PKG. 24—PKG. WT. 5.00 Lbs.

CLUTCH ALIGNING TOOL SET

For quick and easy clutch alignment during installation on all passenger cars and light trucks. Contains dual pilots in 12 sizes as follows: .561", .590", .614", .624", .668", .718", .749", .787", .812", .874", .984", 1.181". Attach the proper size pilot to tool to accurately align the clutch disc and pressure plate with the pilot bearing in the flywheel. Complete tool is machined and hardened for accuracy and long service. Contrasting cadmium and black oxide finish.

NO. 2560

STD. PKG. 1—PKG. WT. 2.25 Lbs.

UNIVERSAL OIL FILTER WRENCH

The harder you turn this wrench, the tighter it grips. Works in restricted areas, won't crush filter. Use with any 3/4" wrench. Self ratcheting.

NO. 2557

STD. PKG. 1—PKG. WT. 0.75 Lb.

OIL FILTER WRENCH FOR SUB-COMPACT CARS

The unique design of this tool enables the user to remove the oil filter regardless of obstructions above, below, behind, or in front of the filter. The more pressure that is exerted to the wrench, the tighter it clamps to the filter. Use with 3/8" square drive ratchet, swing head handle, or slide "T" handle. An extension can be used if extra clearance is required. Adjustable from 2-7/8" (73MM) to 3-3/8" (85.73MM). For use on many foreign-made cars with filters within the above range. Contrasting cadmium and black oxide finish.

NO. 2565

STD. PKG. 1—PKG. WT. 0.50 Lb.

DOOR HANDLE CLIP REMOVER

This tool is designed for quick and easy removal of the door handle clip on the majority of Ford and G.M. cars. Tool is extra long and offset so as not to tear or mar the upholstery. Made of heavy gauge steel and cadmium plated.

NO. 2550

STD. PKG. 6—PKG. WT. 1.00 Lb.

WHEEL COVER TOOL

Two tools in one. Removes hub caps and wheel covers. Soft rubber face is used to replace covers without denting them. Has a plastic handle for firmer grip.

NO. 2551

STD. PKG. 1—PKG. WT. 1.00 Lb.

WHEEL WEIGHT PULLER

Angle jaw type that grips wheel weights firmly for quick and easy removal. Perfectly balanced hammer head drives clips into place with a few light blows. End of handle is offset and flat to snap off wheel covers.

NO. 2555

STD. PKG. 2—PKG. WT. 2.00 Lbs.



RIM WRENCHES, MUFFLER & PANEL CUTTERS

DOUBLE END TRUCK RIM WRENCHES

Heavy duty, forged steel. Broached to accept cross bar No. 447. Bright red enamel. Length 16".

7/8" HEX AND 1-1/16" HEX

Fits Mack, Federal, Diamond T, International and others. Length 16".

NO. 449

STD. PKG. 1—PKG. WT. 4.00 Lbs.

7/8" HEX WITH 5/8" SQUARE AND 1-1/4" HEX

Fits Chevrolet dual, Mack and others. Length 16".

NO. 452

STD. PKG. 1—PKG. WT. 4.31 Lbs.

1-1/8" HEX WITH 13/16" SQUARE AND 1-1/2" HEX

Fits Ford dual, Budd, Dodge and others. Length 16".

NO. 453

STD. PKG. 1—PKG. WT. 4.72 Lbs.

7/8" HEX AND 15/16" HEX

Fits Chevrolet light and heavy series.

NO. 457

STD. PKG. 1—PKG. WT. 3.74 Lbs.

15/16" HEX AND 1" HEX

Fits later model Chevrolet and others. Length 16".

NO. 459

STD. PKG. 1—PKG. WT. 4.03 Lbs.

CROSS BAR

For use with wrenches 449, 452, 453, 457 and 459. Length 20".

NO. 447

STD. PKG. 1—PKG. WT. 2.82 Lbs.

CROSS RIM WRENCHES

HEAVY DUTY TRUCK WRENCH

Hex openings 7/8", 1-1/16", 1-3/16", 1-1/4" and 1-1/2" and 13/16" square. Forged steel, heat treated, bright red enamel. Length 24".

NO. 455

STD. PKG. 1—PKG. WT. 10.21 Lbs.

DELUXE PASSENGER CAR WRENCH

20" long with hex openings 3/4", 13/16", 7/8" and 15/16". Forged alloy steel. Bright red enamel.

NO. 446A

STD. PKG. 6—PKG. WT. 24.00 Lbs.

STANDARD PASSENGER CAR WRENCHES WELDED, HEAT TREATED AND PAINTED

14" with openings 3/4", 11/16", 13/16" and 19MM.

NO. 620A

STD. PKG. 25—PKG. WT. 50.00 Lbs.

20" with openings 3/4", 3/4", 13/16" and 7/8".

NO. 622

STD. PKG. 25—PKG. WT. 82.00 Lbs.

PANEL CUTTER

Patented "curl-cut" feature forces metal away from cut. Proper offset to eliminate bruised fingers. Forged from alloy steel, heat treated, ground and plated. Auto body panel or sheet metal cutter.

NO. 162—3/8" x 10"

STD. PKG. 6—PKG. WT. 2.66 Lbs.

TAIL PIPE AND MUFFLER CUTTERS

No. 163—Long offset type for speedy removal of corroded mufflers and tail pipes. "Curl-cut" feature eliminates binding or pinching of metal.

No. 165—Short offset type for use in close quarters. Can also be used for sheet metal cutting.

No. 164—Offset handle type similar to No. 165 and with "Curl-cut" feature.

NO. 163—Long—1/2" x 10-1/4"

STD. PKG. 6—PKG. WT. 2.93 Lbs.

NO. 165—Short—1/2" x 7-7/8"

STD. PKG. 6—PKG. WT. 2.76 Lbs.

NO. 164—Handle Type—1/2" x 5"

STD. PKG. 6—PKG. WT. 4.68 Lbs.



447



449
452
453
457
459



455



446A
620A
622



163



165

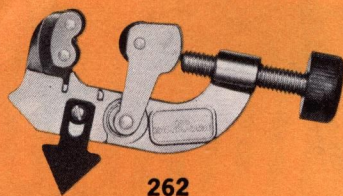


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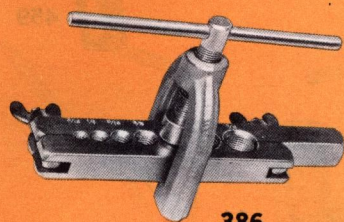


164

TUBING TOOLS



262



386

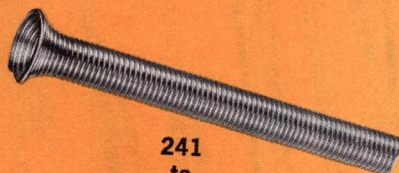


387



390

METRIC



241
to
246

TUBING CUTTER

Improved design, cuts soft copper, brass and aluminum tubing with outside diameters from 1/8" to 1". Has swing-out, hardened burr reamer. Chrome plated.

NO. 262

STD. PKG. 1—PKG. WT. 0.65 Lb.

NO. 262A—Cutting Wheel Only

STD. PKG. 6—PKG. WT. 0.08 Lb.

TUBING FLARING TOOL

Hinged bar type with large wing nuts for secure clamping. The hardened center punch and floating cone produce an accurate 45° flare. Has seven threaded dies to accommodate all popular sizes from 3/16" O.D. thru 5/8" O.D. tubing. Cadmium and black oxide finish.

NO. 386

STD. PKG. 1—PKG. WT. 2.04 Lbs.

PARTS FOR NO. 386

NO. 386-1—Bar Assembly

STD. PKG. 1—PKG. WT. 1.25 Lbs.

NO. 386-2—Yoke Assembly

STD. PKG. 1—PKG. WT. 1.00 Lb.

NO. 386-11—Wing Nut

STD. PKG. 1—PKG. WT. 0.10 Lb.

DOUBLE FLARING TOOL SET

Strong enough to make double flares in soft steel tubing up to .040" wall thickness. Will also make a single flare. Furnished with five adaptors in sizes 3/16", 1/4", 5/16", 3/8" and 1/2". The heavy duty alloy swivel is ground and chromed to reduce friction. The yoke is forged for added strength. Cadmium and black oxide finish. Packed in heavy duty steel box.

NO. 387

STD. PKG. 1—PKG. WT. 2.56 Lbs.

PARTS FOR NO. 387

NO. 387-1—3/16" Adaptor

NO. 387-5—1/2" Adaptor

NO. 387-2—1/4" Adaptor

NO. 387-6—Bar Assembly

NO. 387-3—5/16" Adaptor

NO. 387-7—Yoke Assembly

NO. 387-4—3/8" Adaptor

NO. 387-15—Wing Nut

STD. PKG. 1

METRIC DOUBLE FLARING TOOL SET

Designed for METRIC size tubing only. Made to withstand pressure required to double flare soft metal tubing up to 1MM wall thickness. Can also be used for single flaring. Furnished with five adaptors to flare 4.75MM, 5MM, 6MM, 8MM and 10MM I.D. tubing. The heavy duty alloy swivel is ground and chromed to reduce friction. The yoke is forged for added strength. Contrasting cadmium and black oxide finish. Packed in a heavy duty polypropylene box.

NO. 390

STD. PKG. 1—PKG. WT. 3.25 Lbs.

COIL SPRING TUBING BENDERS

Hand bending without collapsing or distorting the tubing is made easy with these special tools. Made of heavy, coiled music wire, heavily plated.

NO. 241—For 1/4" O.D. Tubing

STD. PKG. 6—PKG. WT. 1.09 Lbs.

NO. 242—For 5/16" O.D. Tubing

STD. PKG. 6—PKG. WT. 1.41 Lbs.

NO. 243—For 3/8" O.D. Tubing

STD. PKG. 6—PKG. WT. 1.65 Lbs.

NO. 244—For 7/16" O.D. Tubing

STD. PKG. 6—PKG. WT. 2.38 Lbs.

NO. 245—For 1/2" O.D. Tubing

STD. PKG. 6—PKG. WT. 2.69 Lbs.

NO. 246—For 5/8" O.D. Tubing

STD. PKG. 6—PKG. WT. 3.23 Lbs.

SET OF 6 BENDERS LISTED ABOVE

NO. 240-6

STD. PKG. 1—PKG. WT. 1.41 Lbs.

REFRIGERATION TOOLS

AIR CONDITIONER WRENCH

A special ratcheting wrench designed for servicing auto air conditioner units. Two size openings, 1/4" square and 9/16" twelve point. The 1/4" opening will fit valve ports on many air conditioner units. The 9/16" opening takes hexagon nuts and bolts that secure caps on charging units. Overall length is 7-1/2". Chrome plated finish.

NO. 0710 Wrench

STD. PKG. 6—PKG. WT. 2.55 Lbs.

REFRIGERATION RATCHET WRENCH

1/4" Female Square Drive

Especially designed for use with valve stem and packing gland nut sockets in servicing refrigeration units. Handle has four different size openings . . . 3/16", 1/4" and 5/16" square, and 9/16"—6 Pt. for hexagon nuts and bolts. Reversible ratchet end has a 24 tooth action mechanism for fast and smooth operation. Reverses instantly by turning thumb control lever. Polished and Chrome Plated. Length 6-1/4"

NO. 4491

STD. PKG. 3—PKG. WT. 1.36 Lbs.

INNER BODY ASSEMBLY

Replacement ratcheting mechanism for No. 4491 Refrigeration Ratchet Wrench.

NO. 4491-8

STD. PKG. 1—PKG. WT. 0.12 Lb.

RATCHET ADAPTOR PLUG

For use with No. 4491 Ratchet Wrench listed above. Ball and spring at each end locks into wrench and socket. Knurled head design for easy removal. Length 7/8".

NO. 4517

STD. PKG. 4—PKG. WT. 0.07 Lb.

VALVE STEM SOCKETS

These sockets have 1/4" square male drive ends with spring loaded ball to hold them securely in place in the refrigeration ratchet or extension. Will fit popular sizes of square valve stems. Heat treated, polished and fully Chrome plated.

Socket No.	For Square Stem Size	Standard Package	Package Weight	Socket No.	For Square Stem Size	Standard Package	Package Weight
341	3/16"	6	0.25 Lb.	343	1/4"	6	0.25 Lb.
342	7/32"	6	0.25 Lb.	344	5/16"	6	0.25 Lb.

PINCH-OFF TOOL

Used to effect repairs where a shut-off valve is not provided. Will close up to 1/2" Dia. tubing. Holes at end will form and straighten 1/4" and 5/16" tubing. Compact 3-1/8" long, 1-1/8" high. Brightly plated.

NO. 270 (OLD NO. 266)

STD. PKG. 6—PKG. WT. 2.75 Lbs.

HACKSAW FRAMES

Pistol grip, made of heavy gauge steel for extra rigidity. Adjustable for 8" to 12" blades. Furnished with blade. Brightly plated.

NO. 9031

STD. PKG. 1—PKG. WT. 1.41 Lbs.

This deluxe hacksaw has one piece, "D" grip combined with 5/8" heavy gauge tubing frame. This rugged construction will give a lifetime of service. For 10" or 12" blades.

NO. 9035

STD. PKG. 1—PKG. WT. 1.13 Lbs.

HACKSAW BLADES

A flexible back blade, hardened and tempered for general purpose use. Medium cut, 24 teeth per inch. Length 12".

NO. 9012A

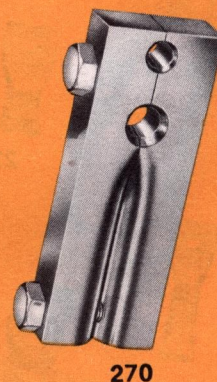
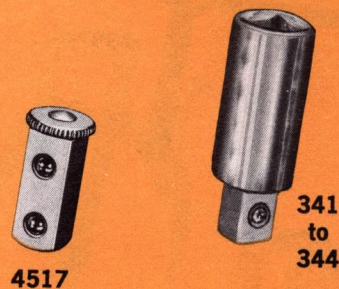
STD. PKG. 12—PKG. WT. 1.00 Lb.

HIGH SPEED HACKSAW BLADES

Made of Molybdenum high speed steel for longer usage without breaking. Hardened tooth edge results in easy and smoother cutting. Length 12".

NO. 9014

STD. PKG. 12—PKG. WT. 1.00 Lb.





2397C



2397D



2397-5



2397-6



2397-7



2397-8



2397-9



2397-10

GEAR PULLERS

STRAIGHT LINE GEAR PULLERS AND SETS

The versatility of creating one two-jaw puller or complete two-jaw puller set. The clevis assembly can be used with either the 6" or 9" yoke. All jaws fit the clevis assembly. The effective maximum spread is either 6" or 9" depending on yoke used. Puller becomes either internal or external type by reversing of jaws. Screw for 6" yoke has 5/8"-18 thread. Screw for 9" yoke has 3/4"-16 thread. Maximum reach of puller is indicated by jaw length shown.

INDIVIDUAL PULLER PARTS

No.	Description	Std. Pkg.	Pkg. Wt. Lbs.	No.	Description	Std. Pkg.	Pkg. Wt. Lbs.
2397C	6" Yoke & Screw	1	2.50	2397-5	Clevis Assembly	2	1.75
2397D	9" Yoke & Screw	1	4.50	2397-6	Slotted Jaws—3"	2	0.75
2397-1	6" Yoke Only	1	1.80	2397-7	4-1/4" Jaws	2	0.75
2397-3	Center Screw for 6" Yoke	1	0.70	2397-8	5-1/2" Jaws	2	1.50
2397-2	9" Yoke Only	1	3.50	2397-9	8-1/2" Jaws	2	2.50
2397-4	Center Screw for 9" Yoke	1	1.00	2397-10	11" Jaws	2	4.00

MASTER PULLER SET

Quan.	No.	Size & Description	Quan.	No.	Size & Description
1	2397C	6" Yoke & Screw	2	2397-7	4-1/4" Jaws
1	2397D	9" Yoke & Screw	2	2397-8	5-1/2" Jaws
2	2397-5	Clevis Assembly	2	2397-9	8-1/2" Jaws
2	2397-6	Slotted Jaws—3"	2	2397-10	11" Jaws

NO. 2397

STD. PKG. 1—PKG. WT. 19.25 Lbs.

6" YOKE PULLER SET

Quan.	No.	Size & Description	Quan.	No.	Size & Description
1	2397C	6" Yoke & Screw	2	2397-8	5-1/2" Jaws
2	2397-5	Clevis Assembly	2	2397-9	8-1/2" Jaws
2	2397-6	Slotted Jaws—3"	2	2397-10	11" Jaws
2	2397-7	4-1/4" Jaws			

NO. 2397A

STD. PKG. 1—PKG. WT. 14.75 Lbs.

9" YOKE PULLER SET

Quan.	No.	Size & Description	Quan.	No.	Size & Description
1	2397D	9" Yoke & Screw	2	2397-8	5-1/2" Jaws
2	2397-5	Clevis Assembly	2	2397-9	8-1/2" Jaws
2	2397-6	Slotted Jaws—3"	2	2397-10	11" Jaws
2	2397-7	4-1/4" Jaws			

NO. 2397B

STD. PKG. 1—PKG. WT. 16.75 Lbs.

GEAR PULLERS

A selection of 2 arm pullers for light, medium and heavy duty applications. Made of forged **ALLOY STEEL**, heat treated for maximum strength. Rust resistant cadmium plated finish.

2 ARM PULLERS

4" ADJUSTABLE TYPE

A small but rugged puller used for removing magneto and generator bearings and gears.

SPECIFICATIONS: Maximum reach 3-1/2"; maximum spread 4"; center screw 3/8"-24 x 4-3/4".

NO. 2382

STD. PKG. 1—PKG. WT. 1.00 Lb.

6" REVERSIBLE TYPE

A versatile puller designed for many pulling applications. The reversible jaws have a wide face on one end and a narrow face on the other end.

SPECIFICATIONS: Maximum reach 3-1/2"; maximum spread 6"; center screw 5/8"-18 x 6-7/8".

NO. 2383

STD. PKG. 1—PKG. WT. 2.00 Lbs.

8" REVERSIBLE TYPE

A heavy duty puller for both automotive and industrial applications. Reversible jaws have a wide face on one end and a narrow face on the other end.

SPECIFICATIONS: Maximum reach 5-1/2"; maximum spread 8"; center screw 3/4"-16 x 8-3/4".

NO. 2384

STD. PKG. 1—PKG. WT. 4.25 Lbs.

10" ADJUSTABLE TYPE

A rugged, heavy duty puller designed for use on larger diameter gears. Adjustable to three positions. Especially useful in removing fly wheel gears and pulleys.

SPECIFICATIONS: Maximum reach 9"; maximum spread 10"; center screw 3/4"-16 x 8-3/4".

NO. 2385

STD. PKG. 1—PKG. WT. 5.00 Lbs.

12" ADJUSTABLE TYPE

A heavy duty puller for larger size gears. Adjustable to two positions.

SPECIFICATIONS: Maximum reach 11"; maximum spread 12"; center screw 13/16"-16 x 12".

NO. 2391

STD. PKG. 1—PKG. WT. 9.50 Lbs.

14" ADJUSTABLE TYPE

A large capacity puller designed for heavy duty applications. Adjustable to three positions.

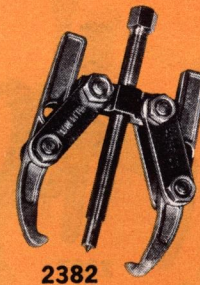
SPECIFICATIONS: Maximum reach 15"; maximum spread 14"; center screw 13/16"-16 x 12".

NO. 2392

STD. PKG. 1—PKG. WT. 11.75 Lbs.

REPLACEMENT PARTS FOR ABOVE PULLERS

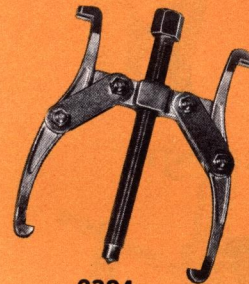
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YOKE	2382-1	2383-1	2384-1	2384-1	2391-1	2391-1
ARM	2382-2	2383-2	2384-2	2385-2	2391-2	2392-2
SCREW	2382-3	2383-3	2384-3	2384-3	2391-3	2391-3
BOLT & NUT	2382-4	2382-4	2384-4	2384-4	2391-4	2391-4
LINKAGE	2382-5	2383-5	2384-5	2384-5	2391-5	2391-5



2382



2383



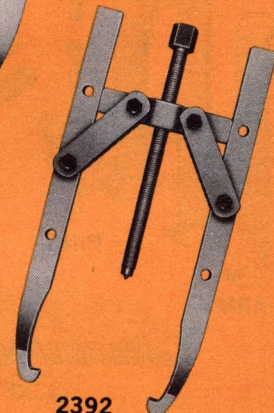
2384



2385



2391



2392

GEAR PULLERS

Duro

TOOLS
OF
PROGRESS

Chrome

3 ARM PULLERS

For medium and heavy duty applications. Made of forged ALLOY STEEL, heat treated for maximum strength. Rust resistant cadmium plated finish.

6" REVERSIBLE TYPE

An all-around puller designed for maximum safety and utility. The reversible jaws have a wide face on one end and narrow face on the other end.

SPEC.: Max. reach 3-1/2"; max. spread 6"; center screw 5/8"-18 x 6-7/8".

NO. 2386

STD. PKG. 1—PKG. WT. 2.50 Lbs.

8" REVERSIBLE TYPE

A heavy duty puller designed for both automotive and industrial applications. Three jaw grip provides extra power for pulling gears, pulleys, etc.

SPEC.: Max. reach 5-1/2"; max. spread 8"; center screw 3/4"-16 x 8-3/4".

NO. 2387

STD. PKG. 1—PKG. WT. 5.50 Lbs.

10" ADJUSTABLE TYPE

For heavy duty pulling of large diameter gears, flywheels and pulleys. Adjustable to three positions.

SPEC.: Max. reach 9"; max. spread 10"; center screw 3/4"-16 x 8-3/4".

NO. 2388

STD. PKG. 1—PKG. WT. 6.50 Lbs.

REPLACEMENT PARTS FOR ABOVE PULLERS

Description	PULLER NUMBER		
	2386	2387	2388
YOKE	2386-1	2387-1	2387-1
ARM	2383-2	2384-2	2385-2
SCREW	2383-3	2384-3	2384-3
BOLT & NUT	2382-4	2384-4	2384-4
LINKAGE	2383-5	2384-5	2384-5

HEAVY DUTY PULLERS

Two and three arm types that can be used for either internal or external pulling. Drop forged arms have an 8" overall length with three effective length adjustments. 6-1/4" maximum reach. Offset hooks of 1/2" at one end and 1" at the other. Fully chrome plated. Center body is drop forged and finished in baked red enamel. Has three radial adjustments giving a diameter range of from 3" to 6". Quick action adjusting pins are held in place by spring loaded balls. Heavy, hardened, extra long screw has powerful low pitch thread. 7/8" hexagon head can be turned with socket and attachment or wrench.

NO. 2355—2 ARM PULLER

STD. PKG. 1—PKG. WT. 5.16 Lbs.

NO. 2356—3 ARM PULLER

STD. PKG. 1—PKG. WT. 7.41 Lbs.

HEAVY DUTY UNIVERSAL GEAR PULLER SET

The combination of parts of gear pullers No. 2355 and No. 2356 creates a universal puller set. Complete utility is achieved by interchanging yokes and arms—either a two or three arm puller can be quickly and easily assembled for internal or external pulling.

NO. 2357 Set

STD. PKG. 1—PKG. WT. 9.22 Lbs.

REPLACEMENT PARTS FOR 2355, 2356, 2357

No.	2355-1	2355-2	2355-3	2355-4	2356-1
Part	2 Arm Yoke	Arm	Screw	Pin	3 Arm Yoke



GEAR PULLERS

2-1/4" GEAR PULLER

Medium duty type for external pulling of small gears or bearings. Maximum spread between arm points 1-7/8". Will pull a gear 2-1/4" diameter with 1/2" face. Can be used with two 2373 arms for internal pulling by removing quick change pins. Forged alloy steel, chrome plated.

NO. 2342 (Old No. 2362)

STD. PKG 1—PKG. WT. 0.75 Lb.

3-1/2" GEAR PULLER

Medium duty for external pulling. Also can be adapted for internal use with two Number 2377 Arms. Will pull a gear or bearing 3-1/2" diameter with 1-1/8" face width. Forged alloy steel, chrome plated.

NO. 2343 (Old No. 2363)

STD. PKG. 1—PKG. WT. 1.38 Lbs.

PARTS FOR NO. 2342 and NO. 2343 PULLERS

NO. 2342		NO. 2343	
Body	2371	Body	2375
Screw	252-2	Screw	253-2
Arm	2342-3	Arm	2343-3
Bar	2342-5	Bar	2343-5
Pin	2342-6	Pin	2343-6

STD. PKG. 1

STD. PKG. 1

2-1/4" INTERNAL-EXTERNAL GEAR PULLER SET

Includes No. 2342 Gear Puller and one pair of No. 2373 Short Internal Arms. Ball and spring loaded pins for quick changing of arms. Will enter 3/4" hole and pull to 2" diameter. Length 4-1/2".

NO. 2359

STD. PKG. 1—PKG. WT. 0.88 Lb.

3-1/2" INTERNAL-EXTERNAL GEAR PULLER SET

Includes No. 2343 Gear Puller and one pair of No. 2377 Long Internal Arms. Ball and spring loaded pins for quick changing of arms. Will enter hole as small as 1" diameter, can pull items as large as 3" diameter. Length 6-1/2".

NO. 2358

STD. PKG. 1—PKG. WT. 1.65 Lbs.

PULLEY PULLER

Designed specifically to remove pressed-on 1 or 2 groove pulleys on alternators and power steering pumps. Also used for removing alternator bearings. The attached jaw fits over the flange affording a firm grip. Thumb screws adjust jaws. Turn center screw down for easy removal. Contrasting black oxide and cadmium plating.

NO. 2368

STD. PKG. 1—PKG. WT. 1.75 Lbs.

FLANGE TYPE AXLE PULLER

Designed for easy removal of flange type rear axles on cars and light trucks. Can also be used as a regular wheel or hub puller. Yoke has four slots which will fit on either 4, 5 or 6 bolt (or studs) axles with up to 9/16" diameter bolts or studs. The EXTRA HEAVY sliding hammer part of this puller provides the power to remove the most stubborn axles. Cadmium plated and black oxide finish.

NO. 2378

STD. PKG. 1—PKG. WT. 9.74 Lbs.

SPECIAL ATTACHMENTS FOR NO. 2378 PULLER

PULLER YOKE

A special yoke designed to remove flange type axles on the Valiant and Lancer cars. Same design as the standard yoke on the No. 2378 Puller, except for the smaller range. Can be used on either 4, 5 or 6 Bolt or Stud design. Cadmium plated.

NO. 2378-6

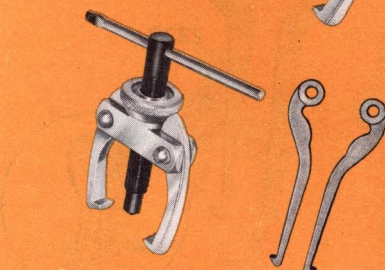
STD. PKG. 1—PKG. WT. 1.78 Lbs.

PULLER ADAPTOR

For use with the No. 2378 Puller to remove the rear axle shaft from Rambler and Chrysler Motor cars (except Valiant & Lancer). Adaptor is threaded 5/8"-18 in the center; 3/4"-16 on one end, and 7/8"-14 on the other end. These two sizes will cover most popular models with one adaptor instead of two. Cadmium plated.

NO. 2378-7

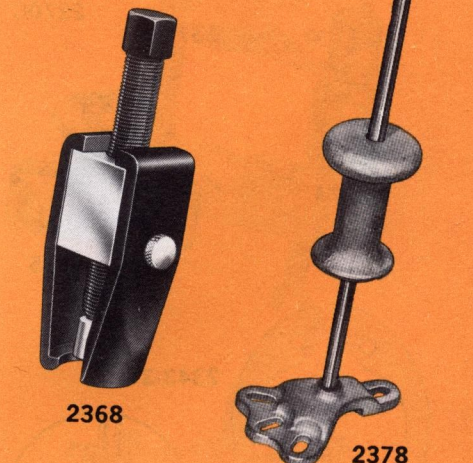
STD. PKG. 1—PKG. WT. 0.68 Lb.



SET NO. 2359



SET NO. 2358



2368

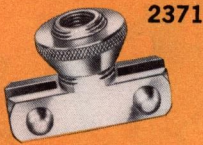
2378



2378-7

2378-6

SLIDE HAMMER & ATTACHMENTS



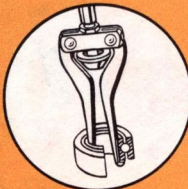
2371



2370



2377



2373



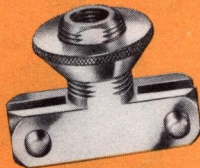
2370B



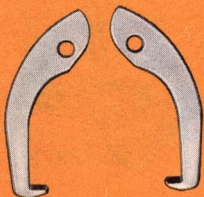
2370C



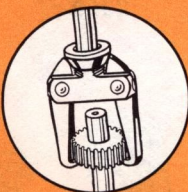
2374



2375



2343-3



2342-3

SLIDE HAMMER MASTER PULLER SET

A complete set of pullers and attachments for the utmost in utility. All of the essentials for removing gears, bearings, oil and grease seals, keepers, etc. Set includes No. 2370 Hammer, No. 2370B Sharp Hook, No. 2370C Flat Hook, No. 2371 Small Puller Body, No. 2342-3 Short External Arms (2), No. 2373 Short Internal Arms (2), No. 2375 Large Puller Body, No. 2374 Adaptor, No. 2343-3 Long External Arms (2), No. 2377 Long Internal Arms (2).

NO. 2380 Puller Set

STD. PKG. 1—PKG. WT. 8.00 Lbs.

SLIDE HAMMER HANDLE ONLY

Very sturdily constructed, this tool is capable of doing fast and efficient pulling. The impact of the sliding hammer striking the bumping collar is transmitted to the opposite end where hooks or gear pullers are attached by means of threads and locknut. The slide is red baked enamel finish, all other parts are brightly plated. Length 25-1/2" overall.

NO. 2370

STD. PKG. 1—PKG. WT. 4.50 Lbs.

SMALL PULLER BODY ONLY

Attaches directly to the slide hammer. With the addition of either short external or internal arms, various pulling jobs can be done. Body comes complete with cone for positioning arms and with quick action ball and spring loaded pins to permit changing arms. Brightly chrome plated.

NO. 2371

STD. PKG. 1—PKG. WT. 0.25 Lb.

LONG INTERNAL ARM

In pairs with Large Puller Body and Slide Hammer Handle, arms will enter holes as small as 1" diameter and will pull recessed bearings, long bushings, etc. as large as 3" diameter bore. Forged alloy steel, chrome plated. Length overall 6-1/2".

NO. 2377

STD. PKG. 1—PKG. WT. 0.25 Lb.

SHORT INTERNAL ARM

Used in pairs with the Small Puller Body, arms will enter a hole as small as 3/4" diameter and will pull bearings, sleeves, etc. having a bore up to 2" in diameter. Forged alloy steel and chrome plated. Length overall 4-1/2".

NO. 2373

STD. PKG. 1—PKG. WT. 0.13 Lb.

SHARP HOOK ATTACHMENT

This hook is used for removing valve keys as well as cotter pins and small parts where larger tools cannot be used. Length 3-1/4" overall.

NO. 2370B

STD. PKG. 1—PKG. WT. 0.13 Lb.

FLAT HOOK ATTACHMENT

Flat hook for pulling bushings, seals, bearings, etc. Length 3-5/8" overall.

NO. 2370C

STD. PKG. 1—PKG. WT. 0.13 Lb.

ADAPTOR ONLY

Necessary to attach No. 2375 Large Puller Body to Slide Hammer Handle.

NO. 2374

STD. PKG. 1—PKG. WT. 0.13 Lb.

LARGE PULLER BODY ONLY

Requires No. 2374 Adaptor for attaching to slide hammer. Used with long external or internal arms, will handle a wide range of pulling jobs. Comes complete with adjusting cone and quick action pins. Brightly chrome plated.

NO. 2375

STD. PKG. 1—PKG. WT. 0.50 Lb.

LONG EXTERNAL ARM

Used in pairs with Large Puller Body and Slide Hammer Handle—will pull gears and bearings up to 3-1/2" diameter by 1-1/8" wide. Arm is forged alloy steel, brightly chrome plated. Overall length 3-5/8".

NO. 2343-3 (Old No. 2363-3)

STD. PKG. 1—PKG. WT. 0.25 Lb.

SHORT EXTERNAL ARMS

Used in pairs with Small Puller Body and Slide Hammer Handle, will pull gears and bearings up to 2-1/4" diameter by 1/2" wide. Arm is forged for strength and brightly chrome plated. Overall length 2-7/8".

NO. 2342-3 (Old No. 2362-3)

STD. PKG. 1—PKG. WT. 0.13 Lb.

SPECIALTY PULLERS

HARMONIC BALANCER PULLER

Designed to pull Balancers, Vibration Dampers, Pulleys or any gear with tapped holes. The four slots in the yoke, allows the use of this tool in either two or three hole applications. The Floating Swivel prevents damage to shaft ends. Complete unit consists of Yoke, Hex Head Center Screw with Live Center and Ring, and 8 side screws (3 each of 3/8"-24 x 2", 5/16"-18 x 2", and 2 each of 3/8"-16 x 4"). Finish: Cadmium plated body; black oxide screw.

RANGE: 1-3/8" to 3-9/16"

NO. 2389

STD. PKG. 1—PKG. WT. 2.50 Lbs.

REPLACEMENT PARTS

No.	Description	Wt. Lbs.	Std. Pkg.
2389-1	Yoke	1.25	1
2389-2	Live Center & Ring	0.07	1
2389-3	Screw	0.55	1
2389-4	5/16"-18 x 2" Bolt	0.07	1
2389-5	3/8"-24 x 2" Bolt	0.10	1
2389-6	3/8"-16 x 4" Bolt	0.15	1



2389

UNIVERSAL PITMAN ARM PULLER

Designed for removing the Pitman Arms from the majority of cars and light trucks. This Universal Puller eliminates the necessity for the mechanic to have several different types of pullers to do this job. The Heavy Duty Center Screw allows enough pressure to be applied in removing even the most stubborn Pitman Arms. Finish: Cadmium plated body; black oxide screw.

NO. 2390

STD. PKG. 1—PKG. WT. 1.25 Lbs.

REPLACEMENT PARTS

No.	Description	Wt. Lbs.	Std. Pkg.
2390-1	Yoke	0.95	1
2390-2	Screw	0.30	1



2390



2346

2367

TIE ROD END PULLER

Designed primarily to separate tie rod end from steering arm. Place between the two and strike a few sharp blows with hammer. The parts will separate easily. Can also be used to separate shock absorber links. Tapered wedge-end has two prongs with a 21/32" opening. A heavy duty tool made from alloy heat treated steel. Will withstand hard usage. Overall length 16". Cadmium plated.

NO. 2346 (Old No. 2366)

STD. PKG. 1—PKG. WT. 2.73 Lbs.

BALL JOINT SEPARATOR

A handy tool for removing the ball joint from steering knuckle. To use, place the tapered end between the two and strike a few blows with hammer. These parts will easily separate. Tapered wedge end has a 15/16" opening. Made of alloy heat treated steel to withstand hard usage. Overall length 11-7/8". Cadmium plated.

NO. 2367

STD. PKG. 1—PKG. WT. 1.75 Lbs.

BEARING SEPARATORS

For precision pulling of hard to grip parts. Knife like edges for gripping gears, bearings, etc., where space does not permit puller jaws to be hooked on to part.

NO. 2345 (Old No. 2365)—0"-2-1/4"—Use with Puller No. 2383 or 2344

STD. PKG. 1—PKG. WT. 1.25 Lbs.

NO. 2365H—Capacity 0"-4-1/4"—Use with Puller No. 2384

STD. PKG. 1—PKG. WT. 6.00 Lbs.

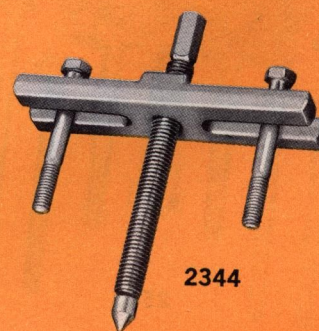
TIMING GEAR PULLER

Has 6" yoke and 6-1/4" forcing screw. Screw has 1/2" hexagon head that can be turned with a wrench or socket and handle. A pair of 3/8"-16 x 3" hexagon head cap screws is furnished to handle most of tapped timing gears.

NO. 2344 (Old No. 2364)

STD. PKG. 1—PKG. WT. 1.65 Lbs.

Parts: 2344-1 Yoke—2344-2 Screw—2344-5 Bolt

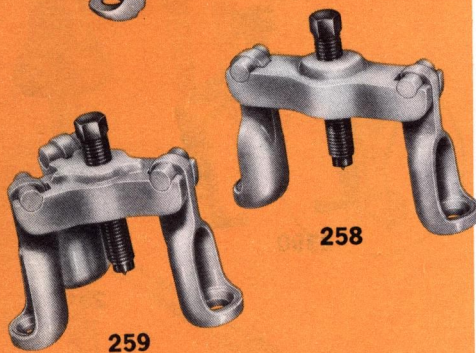


2344

HUB & STEERING WHEEL PULLERS



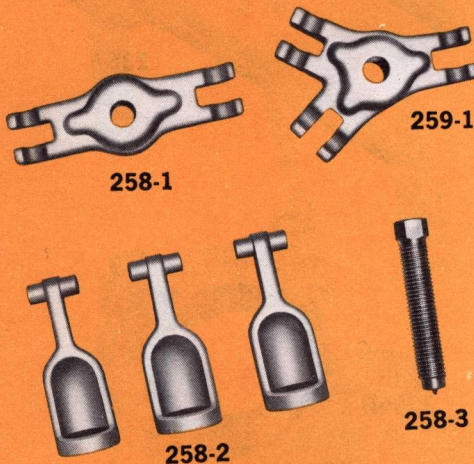
248



258

259

260X Set includes the following parts:



258-1

259-1

258-2

258-3



254B

UNIVERSAL HUB PULLER

Three sliding puller arms quickly and easily adjust to fit the hub. The unique design of the arms provide for a straight pull on all size bolt circles up to 8". To prevent damage to the axle or puller screw, the contact end of the screw is fitted with a floating cap which centers on the axle. Forged alloy steel; chrome plated finish.

NO. 248

STD. PKG. 1—PKG. WT. 10.27 Lbs.

PARTS FOR NO. 248 PULLER

No.	248-3	248-8	248-9
Part	Body & Screw Assembly	Arm	Handle
Weight	7.00 Lbs.	1.25 Lbs.	1.50 Lbs.

2 AND 3 ARM HUB PULLERS

Two specially designed heavy malleable iron hub pullers. Finished in baked red enamel. Pulling screw is of hardened steel and has a 3/4" hexagon head for easy turning with wrench or socket and fitting. Two arm type for wheels having 4, 6 or 8 studs. Three arm type for wheels having 5 studs.

NO. 258—2 Arm Puller

STD. PKG. 1—PKG. WT. 4.35 Lbs.

NO. 259—3 Arm Puller

STD. PKG. 1—PKG. WT. 5.22 Lbs.

NOTE: All parts are interchangeable. See parts list below.

UNIVERSAL HUB PULLER SET

The combination of Hub Pullers No. 258 and No. 259 creates a Universal Hub Puller Set. All parts are interchangeable and can be quickly assembled. Use the two arm yoke for wheels with 4, 6 or 8 studs. The three arm yoke is for wheels with 5 studs.

NO. 260X Set

STD. PKG. 1—PKG. WT. 7.37 Lbs.

PARTS LIST

No.	258-1	258-2	258-3	259-1
Part	2 Arm Yoke	Arm	Screw	3 Arm Yoke
Weight	2.08 Lbs.	0.88 Lb.	0.51 Lb.	1.99 Lbs.

STEERING WHEEL PULLER

Designed to pull steering wheels on all major automobiles. The cross arm is 4" long and made of 1" square steel. The center screw is 5/8"-18 x 4". Only one swivel is necessary on this tool. The floating swivel is recessed in the end so as not to damage the spring tip connected to the horn wires. Three sets of side screws are provided: 3/8"-16, 5/16"-18 and 5/16"-24. Screws are long enough to fit the new style Oldsmobile steering wheel. Contrasting cadmium and black oxide finish.

NO. 254B

STD. PKG. 1—PKG. WT. 2.25 Lbs.

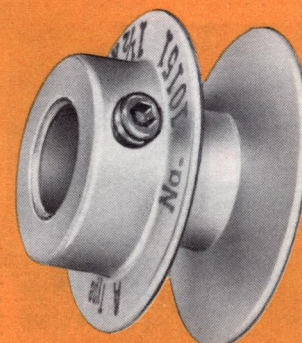
STEEL V-BELT PULLEYS

Made of select quality solid steel or heavy gauge sheet steel. Edges of stamped steel pulleys are full rolled for ease of belt installation and safety. The hub made of solid steel is locked to the two flanges by a unique design and the flanges are electrically welded producing a pulley of unyielding strength and rigidity. All pulleys are precision balanced and true running; extremely safe for even high speed continuous operation. Each pulley has a 5/16"-18 thread hollow head set screw installed for fast, easy and tight adjustment on shaft. These pulleys are packed in yellow cartons, both the pulley and carton are imprinted with catalog number, diameter and bore size for quick and easy identification. All pulleys 5/8" and 3/4" bore over 1-1/2" diameter have standard slotted keyways. "A" Section Pulleys are finished in a rustproof, bright aluminum. "B" Section Pulleys are finished in a rustproof, gun metal grey.

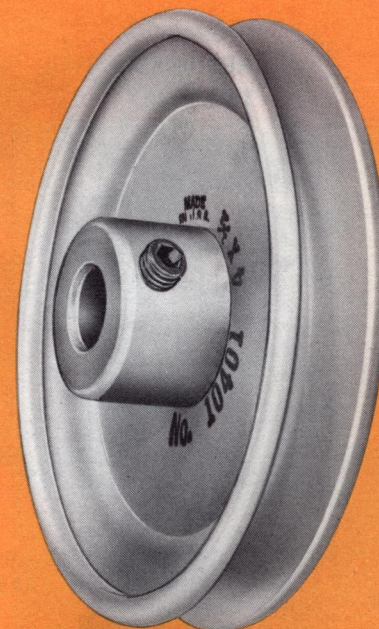


"A" SECTION (FOR 1/2" V-BELTS) "B" SECTION (FOR 5/8" V-BELTS)

No.	Dia.	Bore	Pkg. Wt. Lbs.	No.	Dia.	Bore	Pkg. Wt. Lbs.
SOLID STEEL				SOLID STEEL			
10151	1-1/2"	1/2"	0.22	11151	1-1/2"	1/2"	0.22
10152	1-1/2"	5/8"	0.22	11152	1-1/2"	5/8"	0.22
10201	2"	1/2"	0.37	11201	2"	1/2"	0.37
10202	2"	5/8"	0.37	11202	2"	5/8"	0.37
				11251	2-1/2"	1/2"	0.53
				11252	2-1/2"	5/8"	0.53
				11253	2-1/2"	3/4"	0.53
STAMPED STEEL				11301	3"	1/2"	0.63
10251	2-1/2"	1/2"	0.53	11302	3"	5/8"	0.63
10252	2-1/2"	5/8"	0.53	11303	3"	3/4"	0.63
10253	2-1/2"	3/4"	0.53				
10301	3"	1/2"	0.63	STAMPED STEEL			
10302	3"	5/8"	0.63	11351	3-1/2"	1/2"	0.75
10303	3"	3/4"	0.63	11352	3-1/2"	5/8"	0.75
10351	3-1/2"	1/2"	0.75	11353	3-1/2"	3/4"	0.75
10352	3-1/2"	5/8"	0.75	11401	4"	1/2"	0.88
10353	3-1/2"	3/4"	0.75	11402	4"	5/8"	0.88
10401	4"	1/2"	0.88	11403	4"	3/4"	0.88
10402	4"	5/8"	0.88	11451	4-1/2"	1/2"	0.94
10403	4"	3/4"	0.88	11452	4-1/2"	5/8"	0.94
10451	4-1/2"	1/2"	0.94	11453	4-1/2"	3/4"	0.94
10452	4-1/2"	5/8"	0.94	11501	5"	1/2"	1.00
10453	4-1/2"	3/4"	0.94	11502	5"	5/8"	1.00
10501	5"	1/2"	1.00	11503	5"	3/4"	1.00
10502	5"	5/8"	1.00	11551	5-1/2"	1/2"	1.25
10503	5"	3/4"	1.00	11552	5-1/2"	5/8"	1.25
10551	5-1/2"	1/2"	1.25	11553	5-1/2"	3/4"	1.25
10552	5-1/2"	5/8"	1.25	11601	6"	1/2"	1.50
10553	5-1/2"	3/4"	1.25	11602	6"	5/8"	1.50
10601	6"	1/2"	1.50	11603	6"	3/4"	1.50
10602	6"	5/8"	1.50	11651	6-1/2"	1/2"	1.75
10603	6"	3/4"	1.50	11652	6-1/2"	5/8"	1.75
10651	6-1/2"	1/2"	1.75	11653	6-1/2"	3/4"	1.75
10652	6-1/2"	5/8"	1.75	11801	8"	1/2"	2.25
10653	6-1/2"	3/4"	1.75	11802	8"	5/8"	2.25
10801	8"	1/2"	2.25	11803	8"	3/4"	2.25
10802	8"	5/8"	2.25				
10803	8"	3/4"	2.25				



SOLID STEEL



STAMPED STEEL



**SPACE
REQUIRED:
18" x 26"**



20277

**SPACE
REQUIRED:
19" x 42"**



20276

SOCKET SET MERCHANDISERS

The merchandisers shown here are designed to help you display and sell socket sets. This attractive packaging plus the pilfer-proof feature allows you to place the sets in heavy traffic areas for maximum exposure to your customers.

4 SET MERCHANDISER

A compact wire rack display containing four socket sets with molded plastic tool tray insert and metal tool box. Each set has a clear plastic protective cover which prevents pilferage and keeps tools sparkling clean. A colorful display that will attract tool buyers. Adaptable for either wall peg board mounting or stand on counter top.

CONTENTS

Quantity	No.	Description
1	N5620	14 Pc. 1/4" Sq. Dr. Socket Set
1	N5730	19 Pc. 1/4" & 3/8" Sq. Dr. Socket Set
1	N5731	10 Pc. 3/8" Sq. Dr. Socket Set
1	N5840	13 Pc. 1/2" Sq. Dr. Socket Set

NO. 20277 Socket Set Display — With Sets

STD. PKG. 1—PKG. WT. 21.00 Lbs.

NO. 20277WR Display Only — Less Sets

STD. PKG. 1—PKG. WT. 3.00 Lbs.

**ALSO USE
20277
AS COUNTER
DISPLAY**



6 SET MERCHANDISER

A compact wire rack display containing six socket sets with molded plastic tool tray insert and metal tool box. Each set has a clear plastic protective cover which prevents pilferage and keeps tools sparkling clean. A colorful display that attracts tool customers. Easily mounts to wall peg board.

CONTENTS

Quantity	No.	Description
1	N5620	14 Pc. 1/4" Sq. Dr. Socket Set
1	N5730	19 Pc. 1/4" & 3/8" Sq. Dr. Socket Set
1	N5731	10 Pc. 3/8" Sq. Dr. Socket Set
1	N5732	23 Pc. 3/8" Sq. Dr. Socket Set
1	N5840	13 Pc. 1/2" Sq. Dr. Socket Set
1	N5841	16 Pc. 1/2" Sq. Dr. Socket Set

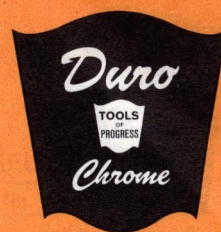
NO. 20276 Socket Set Display — With Sets

STD. PKG. 1—PKG. WT. 41.00 Lbs.

NO. 20276WR Display Only — Less Sets

STD. PKG. 1—PKG. WT. 4.00 Lbs.

MOBILE FLOOR MERCHANDISERS



A complete selection of panel merchandisers will be found on the following pages. The best way to stock and merchandise individual tools. Duro panels are strong, but light weight and are painted a distinctive, attention getting rich gold color. The stainless steel edging on each panel enhances the appearance. The outline of each tool is shown on the panels. This feature enables easy restocking and is a reminder to reorder. Panel sizes are basically 12" x 24" and 24" x 24". Some tool categories are available on both size panels.

- Versatile size 24" x 24" and 12" x 24" make most any installation possible.
- Long pegs provide for inventory of most items without back up stock.
- Compact layout to conserve space.
- Grouping of tools by family category.
- Constant point-of-purchase merchandising.

8 SECTION MOBILE PANEL MERCHANDISER

When wall space is not available, this merchandiser will provide 32 square feet of stocking display area in 4 square feet of floor space. This frame has 8 channeled, 24" x 24" square areas. These channels allow the panels to slide effortlessly into proper position. Any 16 panels 12" x 24" or any 8 panels 24" x 24" will fit. If desired, both size panels can be used if the 12" x 24" size is selected in even numbers.

8 Section Merchandiser frame without display panels. (List panels separately).

NO. 20292 Merchandiser Frame Only

STD. PKG. 1—PKG. WT. 64.00 Lbs.

FREE BONUS

A FREE bonus of tools with retail value equivalent to cost of No. 20292 frame given with any merchandiser with complete display panels. Indicate the following number on your order.

NO. BP20292

STD. PKG. 1—PKG. WT. 10.00 Lbs.

12 SECTION MOBILE PANEL MERCHANDISER

This easy rolling, attractive display really solves a wall space problem; 48 square feet of wall space would be required for the 12 section panel area. The floor space required is 5 square feet. The 3 hinged doors provide an immense storage area that will eliminate the need for extra shelf space elsewhere.

The 12 channeled areas handle with easy installation 12" x 24" or 24" x 24" panels. Combinations of both sizes can be used. This is a compact, complete tool department.

12 Section Merchandiser frame without display panels. (List panels separately).

NO. 20293 Merchandiser Frame Only

STD. PKG. 1—PKG. WT. 78.00 Lbs.

FREE BONUS

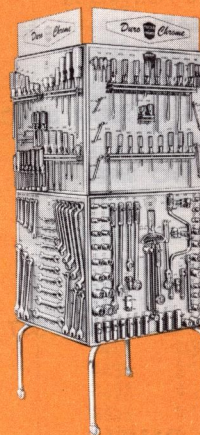
A free bonus of tools that have a retail value equal to the cost of No. 20293 frame is given with an order for frame with complete panels. Indicate the following number on your order.

NO. BP20293

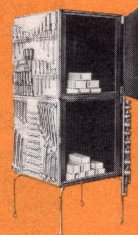
STD. PKG. 1—PKG. WT. 16.00 Lbs.

NOTE: See following pages for selection of panels for use on the 8 or 12 section merchandisers. When ordering panels, specify both **TOOLS ONLY** and **PANEL ONLY** part numbers to receive a complete unit.

8 SECTION

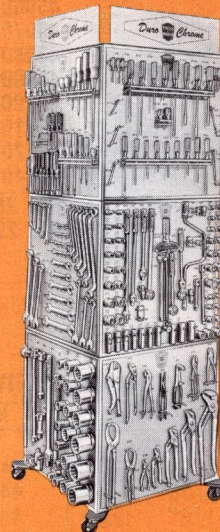


20292—FRAME AS IT APPEARS WITH PANELS



OPEN VIEW

12 SECTION



20293—FRAME AS IT APPEARS WITH PANELS

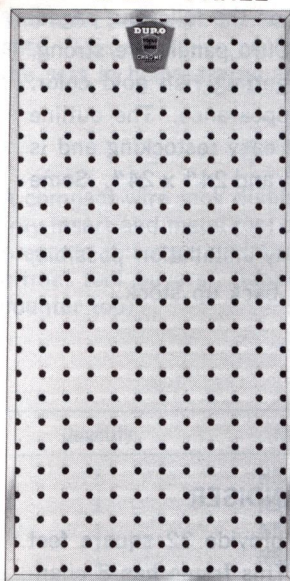


OPEN VIEW

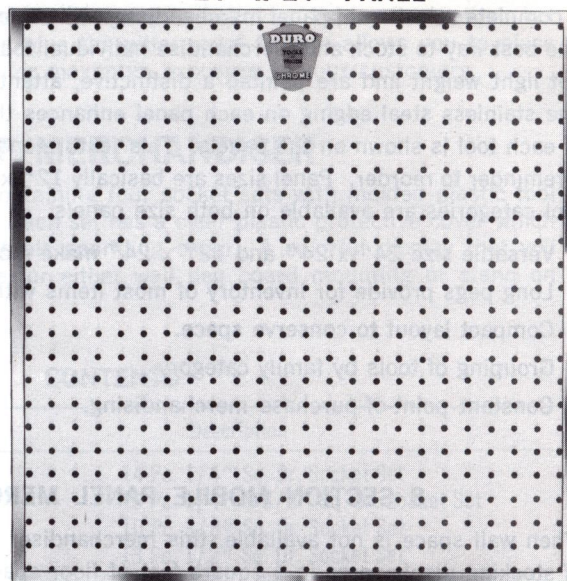


DISPLAY PANELS & TOOLS

12" x 24" PANEL



24" x 24" PANEL

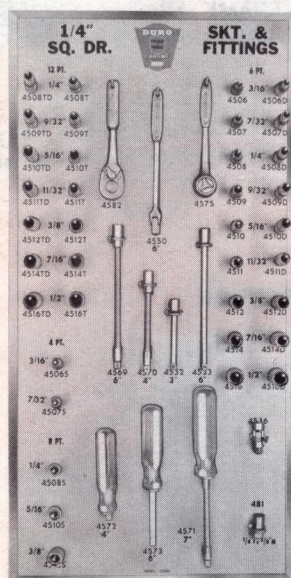


- UTILITY PANEL FOR YOUR SPECIAL DISPLAY
- IDEAL FOR YOUR SPECIFIC CHOICE OF TOOLS
- WILL FIT WITH REGULAR DURO DISPLAY PANELS
- CHOICE OF TWO SIZES—24"X24" OR 12"X24"
- TEMPERED BOARD WITH STAINLESS STEEL EDGING
- GOLD ENAMEL FINISH
- AVAILABLE AT NOMINAL COST

NO. 20300-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 4.00 Lbs.

NO. 20200A-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 7.00 Lbs.

12" x 24" PANEL



1/4" SQUARE DRIVE SOCKET AND ATTACHMENT DISPLAY

No.	Size & Description	No.	Size & Description	No.	Size & Description
6 Point Sockets		4516D	1/2"	4507S	7/32"
4506	3/16"	12 Point Sockets		8 Point Sockets	
4507	7/32"	4508T	1/4"	4508S	1/4"
4508	1/4"	4509T	9/32"	4510S	5/16"
4509	9/32"	4510T	5/16"	4512S	3/8"
4510	5/16"	4511T	11/32"	Attachments	
4511	11/32"	4512T	3/8"	4532	3" Extension
4512	3/8"	4514T	7/16"	4533	6" Extension
4514	7/16"	4516T	1/2"	4536	Universal Joint
4516	1/2"	12 Point Deep Sockets		4550	6" Swing Hd. Handle
6 Point Deep Sockets		4508TD	1/4"	4569	6" Flexible Extension
4506D	3/16"	4509TD	9/32"	4570	4" Flexible Extension
4507D	7/32"	4510TD	5/16"	4572	4" Spinner Handle
4508D	1/4"	4511TD	11/32"	4573	6" Spinner Handle
4509D	9/32"	4512TD	3/8"	4575	Reversible Ratchet
4510D	5/16"	4514TD	7/16"	4571	7" Spin-Flex Handle
4511D	11/32"	4516TD	1/2"	4582	Reversible Ratchet
4512D	3/8"	4 Point Sockets		481	1/4"F x 3/8"M Adaptor
4514D	7/16"	4506S	3/16"		

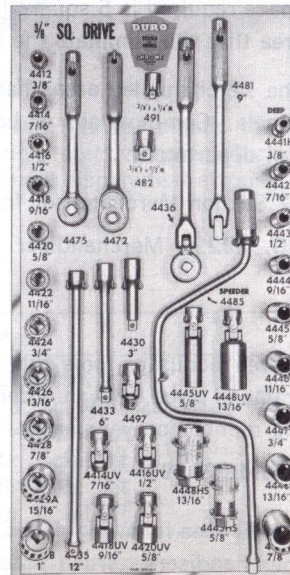
NO. 20306 TOOLS ONLY (1 OF EACH LISTED) STD. PKG. 1—PKG. WT. 3.18 Lbs.
NO. 20306-1 PANEL ONLY STD. PKG. 1—PKG. WT. 5.00 Lbs.

3/8" SQUARE DRIVE SOCKET AND ATTACHMENT DISPLAY

No.	Size & Description	No.	Size & Description	No.	Size & Description
12 Point Sockets		12 Point Deep Sockets		Univ. Sockets	
4412	3/8"	4442	7/16"	4414UV	7/16"
4414	7/16"	4443	1/2"	4416UV	1/2"
4416	1/2"	4444	9/16"	4418UV	9/16"
4418	9/16"	4445	5/8"	4420UV	5/8"
4420	5/8"	4446	11/16"	Attachments	
4422	11/16"	4447	3/4"	4430	3" Extension
4424	3/4"	4448	13/16"	4433	6" Extension
4426	13/16"	4449	7/8"	4435	12" Extension
4428	7/8"	Spark Plug Sockets		4481	9" Swing Head Handle
4429A	15/16"	4445HS	5/8"	4485	16-1/2" Speeder
4429B	1"	4445UV	5/8" Univ.	4497	Univ. Joint
6 Point Deep Socket		4448HS	13/16"	4436	Swivel Hd. Ratchet
4441H	3/8"	4448UV	13/16" Univ.	4475	Reversible Ratchet

NO. 20316A TOOLS ONLY (1 OF EACH LISTED) STD. PKG. 1—PKG. WT. 5.18 Lbs.
NO. 20316A-1 PANEL ONLY STD. PKG. 1—PKG. WT. 9.00 Lbs.

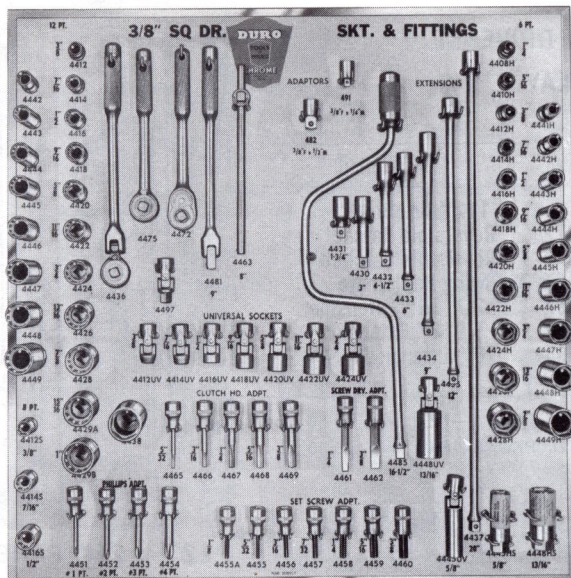
12" x 24" PANEL



IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.

DISPLAY PANELS & TOOLS

3/8" SQ. DRIVE SOCKET & ATTACHMENT DISPLAY



No.	Size	No.	Size	No.	Size
12 Point Sockets			6 Point Sockets		12 Point Deep Sockets
4412	3/8"	4408H	1/4"	4442	7/16"
4414	7/16"	4410H	5/16"	4443	1/2"
4416	1/2"	4412H	3/8"	4444	9/16"
4418	9/16"	4414H	7/16"	4445	5/8"
4420	5/8"	4416H	1/2"	4446	11/16"
4422	11/16"	4418H	9/16"	4447	3/4"
4424	3/4"	4420H	5/8"	4448	13/16"
4426	13/16"	4422H	11/16"	4449	7/8"
4428	7/8"	4424H	3/4"		
4429A	15/16"	4426H	13/16"		
4429B	1"	4428H	7/8"		

24" x 24" PANEL

No.	Size	No.	Size
6 Point Deep Sockets		Hex Head Adaptors	
4441H	3/8"	4455	5/32"
4442H	7/16"	4456	3/16"
4443H	1/2"	4457	7/32"
4444H	9/16"	4458	1/4"
4445H	5/8"	4459	5/16"
4446H	11/16"	4460	3/8"
4447H	3/4"	Screw Driver Adaptors	
4448H	13/16"	4461	1/4"
4449H	7/8"	4462	3/8"
Spark Plug Sockets		Clutch Head Adaptors	
4445HS	5/8"	4465	5/32"
4445UV	5/8" Univ.	4466	3/16"
4448HS	13/16"	4467	1/4"
4448UV	13/16" Univ.	4468	5/16"
8 Point Sockets		4469	3/8"
4412S	3/8"	Attachments	
4414S	7/16"	491	3/8" F x 1/4" M Adaptor
4416S	1/2"	482	3/8" F x 1/2" M Adaptor
Universal Sockets		4438	Oil Pres. Sending Socket
4412UV	3/8"	4431	1-3/4" Extension
4414UV	7/16"	4430	3" Extension
4416UV	1/2"	4432	4-1/2" Extension
4418UV	9/16"	4433	6" Extension
4420UV	5/8"	4434	9" Extension
4422UV	11/16"	4435	12" Extension
4424UV	3/4"	4437	20" Extension
Phillips Adaptors		4463	8" Slide - T - Handle
4451	#1 Pt.	4481	9" Swing Head Handle
4452	#2 Pt.	4485	16-1/2" Speeder
4453	#3 Pt.	4497	Universal Joint
4454	#4 Pt.	4436	Swivel Head Ratchet
Hex Head Adaptors		4475	Reversible Ratchet
4455A	1/8"	4472	Reversible Ratchet

NO. 20203C TOOLS ONLY (1 OF EACH LISTED)

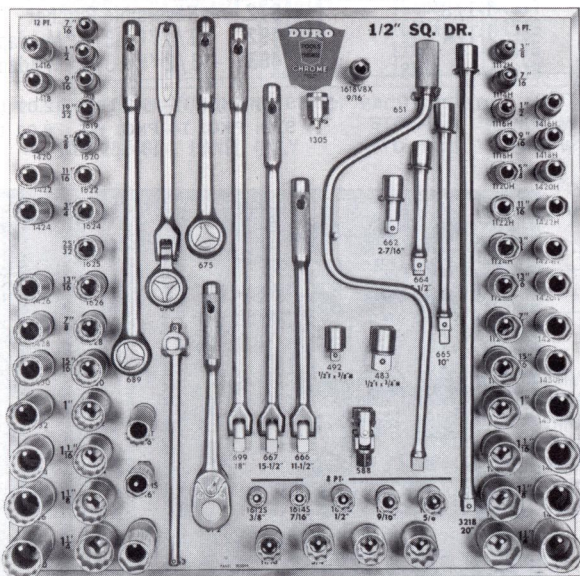
STD. PKG. 1—PKG. WT. 14.50 Lbs.

NO. 20203C-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 10.00 Lbs.

1/2" SQ. DRIVE SOCKET & ATTACHMENT DISPLAY

24" x 24" PANEL



No.	Size	No.	Size	No.	Size
12 Point Sockets			12 Point Sockets		6 Point Sockets
1614	7/16"	1626	13/16"	1112H	3/8"
1616	1/2"	1628	7/8"	1114H	7/16"
1618	9/16"	1630	15/16"	1116H	1/2"
1619	19/32"	1632	1"	1118H	9/16"
1620	5/8"	1634	1-1/16"	1120H	5/8"
1622	11/16"	1636	1-1/8"	1122H	11/16"
1624	3/4"	1640	1-1/4"	1124H	3/4"
1625	25/32"			1126H	13/16"

No.	Size	No.	Size
6 Point Sockets		6 Point Deep Sockets	
1128H	7/8"	1420H	5/8"
1130H	15/16"	1422H	11/16"
1132H	1"	1424H	3/4"
1134H	1-1/16"	1426H	13/16"
1136H	1-1/8"	1428H	7/8"
1140H	1-1/4"	1430H	15/16"
8 Point Sockets		1432H	1"
1612S	3/8"	1434H	1-1/16"
1614S	7/16"	1436H	1-1/8"
1616S	1/2"	1440H	1-1/4"
1618S	9/16"	Spark Plug Sockets	
1620S	5/8"	1426HS	13/16"
1622S	11/16"	1428HS	7/8"
1624S	3/4"	Special Sockets	
1626S	13/16"	1305	Drag Link Socket
1628S	7/8"	1618V8X	9/16" Conn Rod Skt.
12 Point Deep Sockets		Attachments	
1416	1/2"	492	1/2" F x 3/8" M Adaptor
1418	9/16"	483	1/2" F x 3/4" M Adaptor
1420	5/8"	588	Universal Joint
1422	11/16"	651	17-5/8" Speeder Handle
1424	3/4"	663	11" Slide-T-Handle
1426	13/16"	662	2-1/2" Extension
1426T	13/16" Extra Thin Wall	664	5-1/2" Extension
1428	7/8"	665	10" Extension
1430	15/16"	661	20" Extension
1432	1"	666	11-1/2" Swing Hd. Hdle.
1434	1-1/16"	667	15-1/2" Swing Hd. Hdle.
1436	1-1/8"	669	18" Swing Hd. Hdle.
1440	1-1/4"	670	Swivel Head Ratchet
6 Point Deep Sockets		672	Reversible Ratchet
1416H	1/2"	675	Reversible Ratchet
1418H	9/16"	689	Extra Long Rev. Ratchet

NO. 20204A TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 35.00 Lbs.

NO. 20204A-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 11.00 Lbs.

IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.



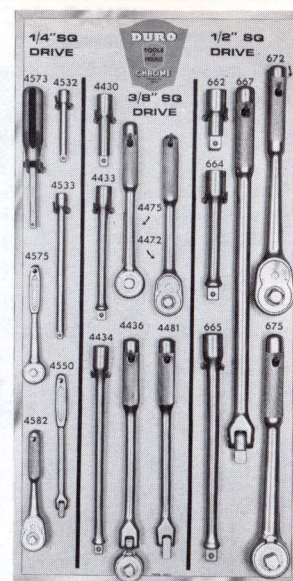
DISPLAY PANELS & TOOLS

1/4", 3/8", 1/2" SQ. DRIVE ATTACHMENT DISPLAY

No.	Description	No.	Description	No.	Description
1/4" Sq. Drive			3/8" Sq. Drive		
4575	Reversible Ratchet	4436	Swivel Hd. Rev. Ratchet	672	Reversible Ratchet
4582	Reversible Ratchet	4475	Reversible Ratchet	675	Reversible Ratchet
4550	Swing Hd. Handle	4472	Reversible Ratchet	667	Swing Hd. Handle
4573	6" Spinner Handle	4481	Swing Hd. Handle	662	2-7/16" Extension
4532	3" Extension	4430	3" Extension	664	5-1/2" Extension
4533	6" Extension	4433	6" Extension	665	10" Extension
		4434	9" Extension		

NO. 20321 TOOLS ONLY (1 OF EACH LISTED)
NO. 20321-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 14.50 Lbs.
STD. PKG. 1—PKG. WT. 10.00 Lbs.



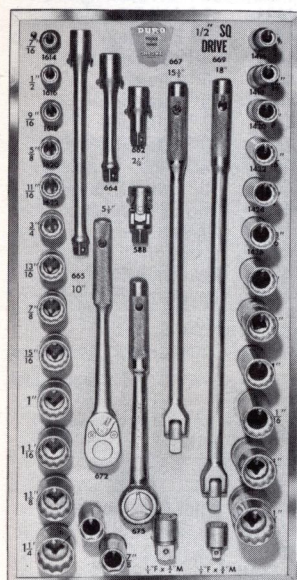
12" x 24" PANEL

1/2" SQ. DRIVE SOCKET & ATTACHMENT DISPLAY

No.	Size & Description	No.	Size & Description	No.	Size & Description
12 Point Sockets		12 Point Deep Sockets		Spark Plug Sockets	
1614	7/16"	1416	1/2"	1426HS	13/16"
1616	1/2"	1418	9/16"	1428HS	7/8"
1618	9/16"	1420	5/8"	Attachments	
1620	5/8"	1422	11/16"	662	2-7/16" Extension
1622	11/16"	1424	3/4"	664	5-1/2" Extension
1624	3/4"	1426	13/16"	665	10" Extension
1626	13/16"	1428	7/8"	667	15-1/2" Sw. Head Hdle.
1628	7/8"	1430	15/16"	669	18" Sw. Head Handle
1630	15/16"	1432	1"	588	Univ. Joint
1632	1"	1434	1-1/16"	675	Reversible Ratchet
1634	1-1/16"	1436	1-1/8"	672	Reversible Ratchet
1636	1-1/8"	1440	1-1/4"	492	1/2" F x 3/8" M Adaptor
1640	1-1/4"			483	1/2" F x 3/4" M Adaptor

NO. 20317 TOOLS ONLY (1 OF EACH LISTED)
NO. 20317-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 12.09 Lbs.
STD. PKG. 1—PKG. WT. 8.00 Lbs.



12" x 24" PANEL

3/4" SQ. DRIVE SOCKET & ATTACHMENT DISPLAY

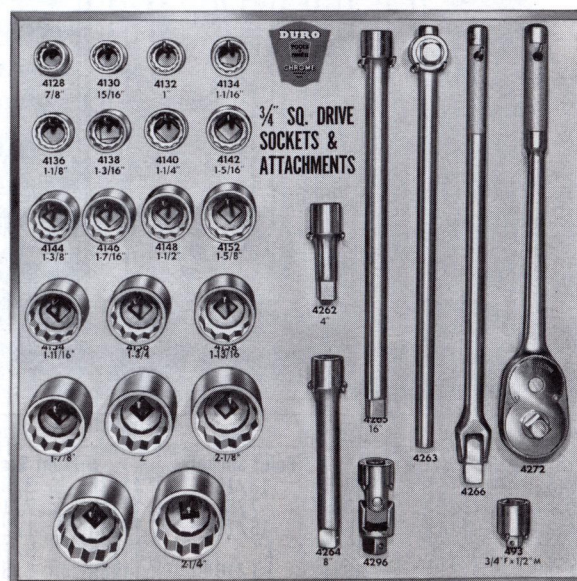
No.	Description	No.	Description
12 Point Sockets		1-13/16"	
4128	7/8"	4158	1-13/16"
4130	15/16"	4160	1-7/8"
4132	1"	4164	2"
4134	1-1/16"	4168	2-1/8"
4136	1-1/8"	4170	2-3/16"
4138	1-3/16"	4172	2-1/4"
4140	1-1/4"	Attachments	
4142	1-5/16"	4262	4" Extension
4144	1-3/8"	4264	8" Extension
4146	1-7/16"	4265	16" Extension
4148	1-1/2"	4266	Swing Head Hdle.
4152	1-5/8"	4263	Slide "T" Hdle.
4154	1-11/16"	4296	U.V. Joint
4156	1-3/4"	4272	Reversible Ratchet
		493	3/4" F x 1/2" M Adaptor

NO. 20205A TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 44.69 Lbs.

NO. 20205A-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 12.00 Lbs.

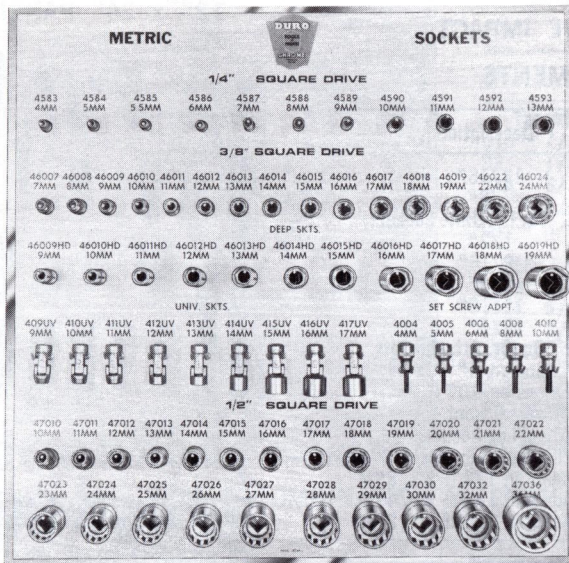


24" x 24" PANEL

IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.

1/2 DISPLAY PANELS & TOOLS

1/4" - 3/8" - 1/2" METRIC SOCKET DISPLAY

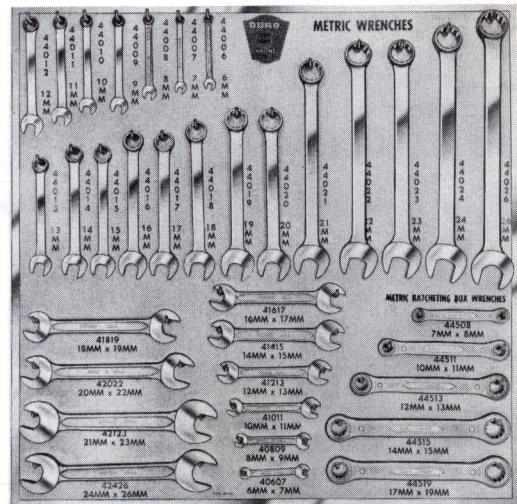


24" x 24" PANEL

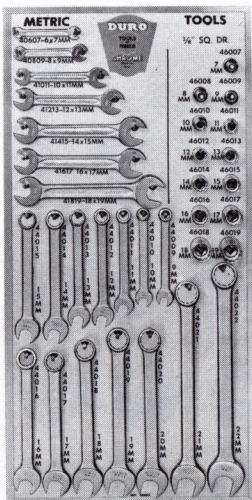
METRIC WRENCHES

No.	Size	No.	Size	No.	Size
Open End Wrenches			Combination Wrenches		Combination Wrenches
40607	6 x 7MM	44006	6MM	44019	19MM
40809	8 x 9MM	44007	7MM	44020	20MM
41011	10 x 11MM	44008	8MM	44021	21MM
41213	12 x 13MM	44009	9MM	44022	22MM
41415	14 x 15MM	44010	10MM	44023	23MM
41617	16 x 17MM	44011	11MM	44024	24MM
41819	18 x 19MM	44012	12MM	44026	26MM
42022	20 x 22MM	44013	13MM	Ratcheting Box Wrenches	
42123	21 x 23MM	44014	14MM	44508	7 x 8MM
42426	24 x 26MM	44015	15MM	44511	10 x 11MM
		44016	16MM	44513	12 x 13MM
		44017	17MM	44515	14 x 15MM
		44018	18MM	44519	17 x 19MM

NO. 20246A TOOLS ONLY (1 OF EACH LISTED) STD. PKG. 1—PKG. WT. 8.00 Lbs.
NO. 20246A-1 PANEL ONLY STD. PKG. 1—PKG. WT. 10.00 Lbs.



METRIC TOOL DISPLAY

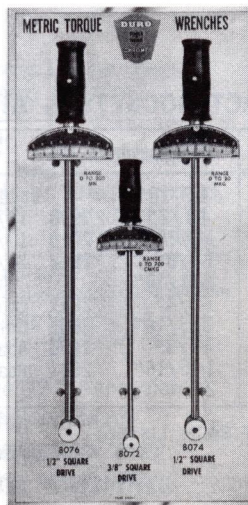


12" x 24" PANEL

No.	Size	No.	Size	No.	Size
3/8" Sq. Dr. Sockets—6 Pt.		Open End Wrenches		Combination Wrenches	
46007	7MM	40607	6 x 7MM	44009	9MM
46008	8MM	40809	8 x 9MM	44010	10MM
46009	9MM	41011	10 x 11MM	44011	11MM
3/8" Sq. Dr. Sockets—12 Pt.		41213	12 x 13MM	44012	12MM
46010	10MM	41415	14 x 15MM	44013	13MM
46011	11MM	41617	16 x 17MM	44014	14MM
46012	12MM	41819	18 x 19MM	44015	15MM
46013	13MM			44016	16MM
46014	14MM			44017	17MM
46015	15MM			44018	18MM
46016	16MM			44019	19MM
46017	17MM			44020	20MM
46018	18MM			44021	21MM
46019	19MM			44022	22MM

NO. 20305 TOOLS ONLY (1 OF EACH LISTED) STD. PKG. 1—PKG. WT. 3.40 Lbs.
NO. 20305-1 PANEL ONLY STD. PKG. 1—PKG. WT. 7.00 Lbs.

METRIC TORQUE WRENCH DISPLAY



12" x 24" PANEL

No.	Sq. Dr.	Max. Range
8072	3/8"	700 cmkg
8074	1/2"	20 mkg
8076	1/2"	200 meter newtons

NO. 20326 TOOLS ONLY (1 OF EACH LISTED) STD. PKG. 1—PKG. WT. 7.40 Lbs.
NO. 20326-1 PANEL ONLY STD. PKG. 1—PKG. WT. 5.00 Lbs.

IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.



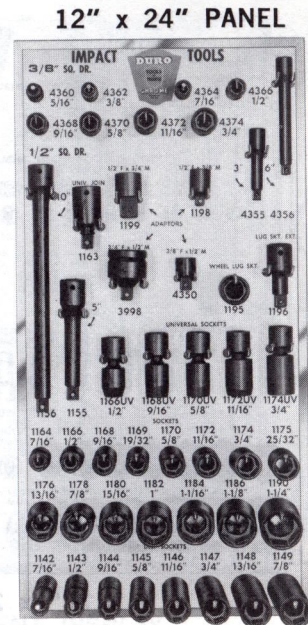
DISPLAY PANELS & TOOLS

3/8" & 1/2" SQ. DRIVE IMPACT SOCKETS & ATTACHMENTS

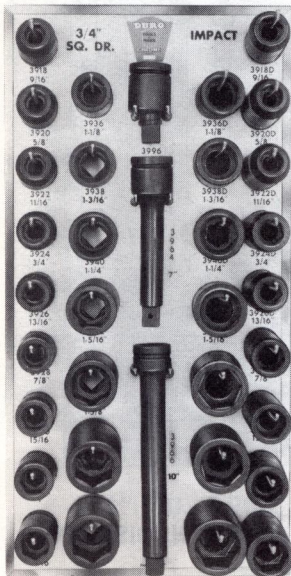
No.	Description	No.	Description	No.	Description
3/8" Sq. Dr. Sockets—6 Pt.					
4360	5/16"	1170	5/8"	1148	13/16"
4362	3/8"	1172	11/16"	1149	7/8"
4364	7/16"	1174	3/4"	1/2" Sq. Dr. Univ. Sockets	
4366	1/2"	1175	25/32"	1166UV	1/2"
4368	9/16"	1176	13/16"	1168UV	9/16"
4370	5/8"	1178	7/8"	1170UV	5/8"
4372	11/16"	1180	15/16"	1172UV	11/16"
4374	3/4"	1182	1"	1174UV	3/4"
3/8" Sq. Dr. Attachments					
4350	Adaptor, 3/8" F x 1/2" M	1184	1-1/16"	1/2" Sq. Dr. Attachments	
4355	Extension, 3"	1186	1-1/8"	1155	Extension, 5"
4356	Extension, 6"	1190	1-1/4"	1156	Extension, 10"
1/2" Sq. Dr. Sockets—6 Pt.					
1164	7/16"	1/2" Sq. Dr. Deep Skts.—6 Pt.		1163	Universal Joint
1166	1/2"	1142	7/16"	1195	Wheel Lug Socket
1168	9/16"	1143	1/2"	1196	Lug Socket Extension
1169	19/32"	1144	9/16"	1198	Adaptor, 1/2" F x 3/8" M
		1145	5/8"	1199	Adaptor, 1/2" F x 3/4" M
		1146	11/16"	3998	Adaptor, 3/4" F x 1/2" M
		1147	3/4"		

NO. 20302C TOOLS ONLY (1 OF EACH LISTED)
NO. 20302C-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 17.12 Lbs.
STD. PKG. 1—PKG. WT. 5.00 Lbs.



12" x 24" PANEL



3/4" SQ. DRIVE IMPACT SOCKETS & ATTACHMENTS

No.	Description	No.	Description	No.	Description
6 Point Sockets					
3918	9/16"	3942	1-5/16"	3934D	1-1/16"
3920	5/8"	3944	1-3/8"	3936D	1-1/8"
3922	11/16"	3946	1-7/16"	3938D	1-3/16"
3924	3/4"	3948	1-1/2"	3940D	1-1/4"
3926	13/16"	6 Point Deep Sockets		3942D	1-5/16"
3928	7/8"	3918D	9/16"	3944D	1-3/8"
3930	15/16"	3920D	5/8"	3946D	1-7/16"
3932	1"	3922D	11/16"	3948D	1-1/2"
3934	1-1/16"	3924D	3/4"	Attachments	
3936	1-1/8"	3926D	13/16"	3964	7" Extension
3938	1-3/16"	3928D	7/8"	3966	10" Extension
3940	1-1/4"	3930D	15/16"	3996	Univ. Joint
		3932D	1"		

NO. 20307 TOOLS ONLY (1 OF EACH LISTED)
NO. 20307-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 51.00 Lbs.
STD. PKG. 1—PKG. WT. 5.00 Lbs.

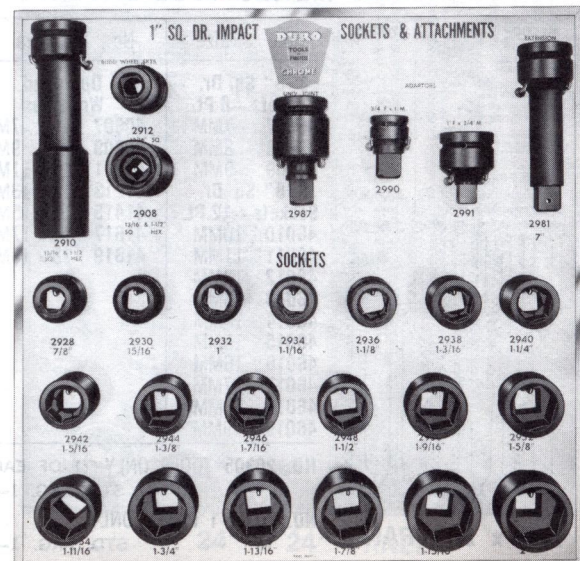
1" SQ. DRIVE IMPACT SOCKETS & ATTACHMENTS

No.	Description	No.	Description	No.	Description
6 Point Sockets					
2928	7/8"	2946	1-7/16"	Budd Wheel Sockets	
2930	15/16"	2948	1-1/2"	2908	13/16" x 1-1/2"—4"
2932	1"	2950	1-9/16"	2910	13/16" x 1-1/2"—9"
2934	1-1/16"	2952	1-5/8"	2912	13/16"—4"
2936	1-1/8"	2954	1-11/16"	Attachments	
2938	1-3/16"	2956	1-3/4"	2981	Extension, 7"
2940	1-1/4"	2958	1-13/16"	2987	Universal Joint
2942	1-5/16"	2960	1-7/8"	2990	Adaptor, 3/4" F x 1" M
2944	1-3/8"	2962	1-15/16"	2991	Adaptor, 3/4" F x 1" M
		2964	2"		

NO. 20251 TOOLS ONLY (1 OF EACH LISTED)
NO. 20251-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 65.12 Lbs.
STD. PKG. 1—PKG. WT. 6.00 Lbs.

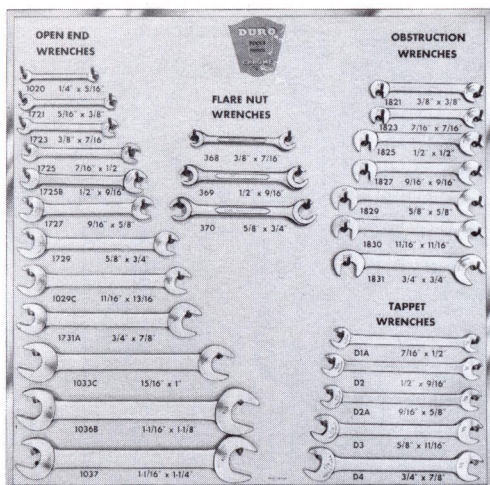
24" x 24" PANEL



IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.

DISPLAY PANELS & TOOLS

OPEN END, OBSTRUCTION, TAPPET & FLARE NUT WRENCH DISPLAY



24" x 24" PANEL

No.	Size	No.	Size	No.	Size
Tappet Wrenches		Open End Wrenches		Obstruction Wrenches	
D1A	7/16" x 1/2"	1725B	1/2" x 9/16"	1825	1/2" x 1/2"
D2	1/2" x 9/16"	1727	9/16" x 5/8"	1827	9/16" x 9/16"
D2A	9/16" x 5/8"	1729	5/8" x 3/4"	1829	5/8" x 5/8"
D3	5/8" x 11/16"	1029C	11/16" x 13/16"	1830	11/16" x 11/16"
D4	3/4" x 7/8"	1731A	3/4" x 7/8"	1831	3/4" x 3/4"
		1033C	15/16" x 1"	Flare Nut Wrenches	
		1036B	1-1/16" x 1-1/8"	(Straight Pattern)	
		1037	1-1/16" x 1-1/4"	368	3/8" x 7/16"
Open End Wrenches		Obstruction Wrenches		369	1/2" x 9/16"
1020	1/4" x 5/16"	1821	3/8" x 3/8"	370	5/8" x 3/4"
1721	5/16" x 3/8"	1823	7/16" x 7/16"		
1723	3/8" x 7/16"				
1725	7/16" x 1/2"				

NO. 20208A TOOLS ONLY
(1 OF EACH LISTED)
NO. 20208A-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 15.00 Lbs.
STD. PKG. 1—PKG. WT. 10.00 Lbs.

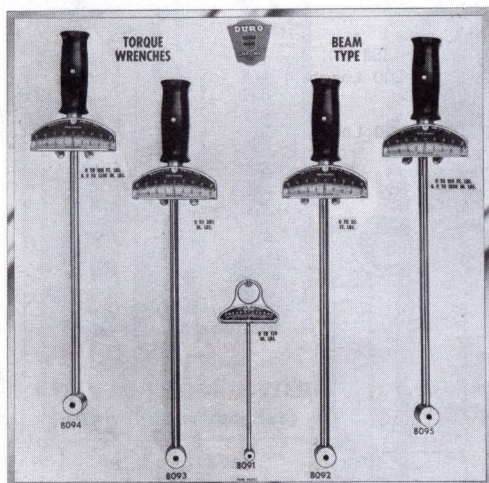
OPEN END, BOX & COMBINATION WRENCH DISPLAY

No.	Size	No.	Size	No.	Size
Open End Wrenches		Long 45° Box Wrenches		Combination Wrenches—Long Handle	
1020	1/4" x 5/16"	2051	3/8" x 7/16"	2233S	1/2"
1721	5/16" x 3/8"	2052	1/2" x 9/16"	2234S	9/16"
1723	3/8" x 7/16"	2052A	9/16" x 5/8"	2235S	5/8"
1725	7/16" x 1/2"	2053B	11/16" x 13/16"	2236S	11/16"
1725B	1/2" x 9/16"	2054A	3/4" x 7/8"	2237S	3/4"
1727	9/16" x 5/8"	2056	15/16" x 1"		
1729	5/8" x 3/4"			Combination Wrenches—Short Handle	
1029C	11/16" x 13/16"	2231S	3/8"		
1731A	3/4" x 7/8"	2232S	7/16"		
1033C	15/16" x 1"				

NO. 20210B TOOLS ONLY
(1 OF EACH LISTED)
NO. 20210B-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 10.50 Lbs.
STD. PKG. 1—PKG. WT. 10.00 Lbs.

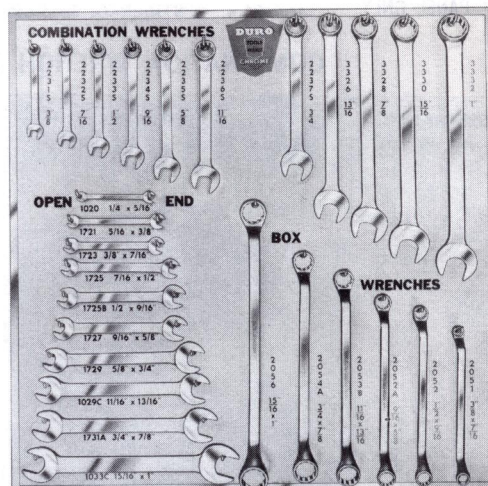
BEAM TYPE TORQUE WRENCH DISPLAY



No.	Sq. Dr.	Max. Range
8091	1/4"	0 to 120 Inch Lbs.
8092	3/8"	0 to 50 Ft. Lbs.
8093	3/8"	0 to 200 Inch Lbs.
8094	1/2"	0 to 100 Ft. Lbs. (0 to 1200 Inch Lbs.)
8095	1/2"	0 to 150 Ft. Lbs. (0 to 1800 Inch Lbs.)

NO. 20253 TOOLS ONLY (1 OF EACH LISTED)
STD. PKG. 1—PKG. WT. 5.28 Lbs.
NO. 20253-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 5.00 Lbs.

24" x 24" PANEL



MICROMETER TYPE TORQUE WRENCH DISPLAY

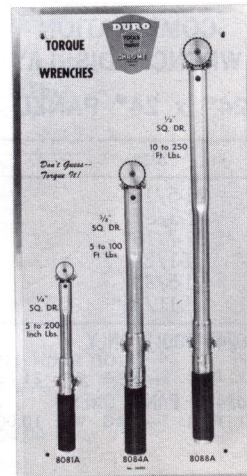
CONTENTS—1 OF EACH TOOL LISTED

No.	Sq. Dr.	Max. Range
8081A	1/4"	30 to 200 Inch Lbs.
8084A	3/8"	15 to 100 Ft. Lbs.
8088A	1/2"	30 to 250 Ft. Lbs.

NO. 20303 TOOLS ONLY
STD. PKG. 1—PKG. WT. 7.40 Lbs.
NO. 20303-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 5.00 Lbs.

See Page 32 for complete information on
MICROMETER TYPE TORQUE WRENCHES

12" x 24" PANEL



IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.



DISPLAY PANELS & TOOLS

BOX WRENCH DISPLAY

24" x 24" PANEL

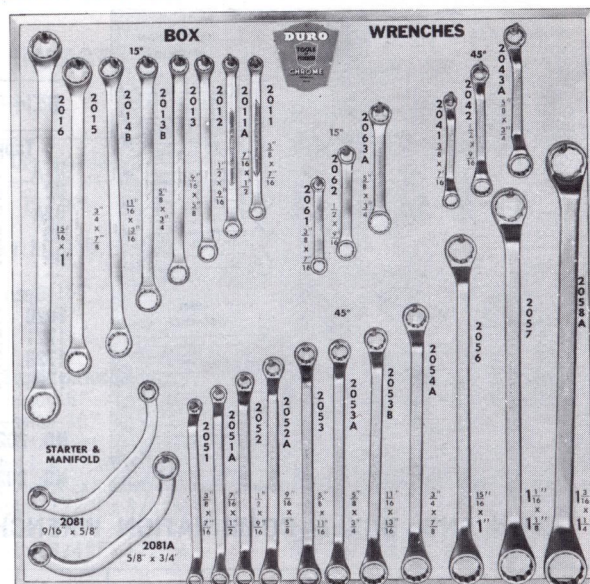
No.	Size	No.	Size	No.	Size
Long 15°		Long 45°		Extra Long 45°	
2011	3/8" x 7/16"	2051	3/8" x 7/16"	2058A	1-3/16" x 1-1/4"
2011A	7/16" x 1/2"	2051A	7/16" x 1/2"	Short 45°	
2012	1/2" x 9/16"	2052	1/2" x 9/16"	2041	3/8" x 7/16"
2013	9/16" x 5/8"	2052A	9/16" x 5/8"	2042	1/2" x 9/16"
2013B	5/8" x 3/4"	2053	5/8" x 11/16"	2043A	5/8" x 3/4"
2014B	11/16" x 13/16"	2053A	5/8" x 3/4"	Starter & Manifold	
2015	3/4" x 7/8"	2053B	11/16" x 13/16"	Wrenches	
2016	15/16" x 1"	2054A	3/4" x 7/8"	2081	5/8" x 9/16"
Short 15°		2056	15/16" x 1"	2081A	5/8" x 3/4"
2061	3/8" x 7/16"	Extra Long 45°			
2062	1/2" x 9/16"	2057	1-1/16" x 1-1/8"		
2063A	5/8" x 3/4"				

NO. 20244 TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 17.00 Lbs.

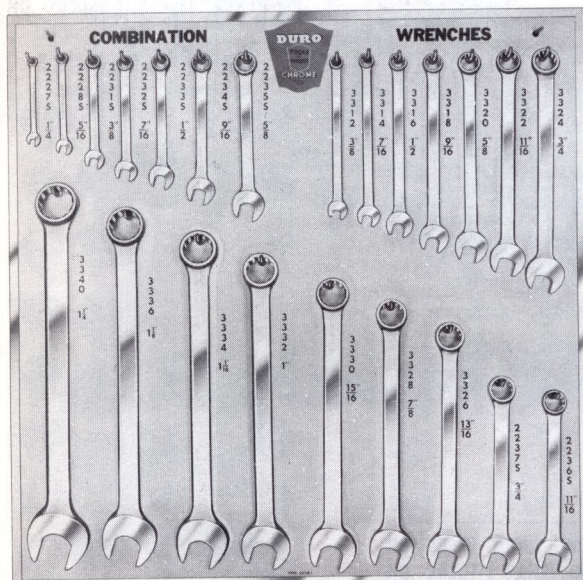
NO. 20244-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 12.00 Lbs.



COMBINATION WRENCH DISPLAY

24" x 24" PANEL



No.	Size	No.	Size
Short Handle Series		Long Handle Series	
2227S	1/4"	3316	1/2"
2228S	5/16"	3318	9/16"
2231S	3/8"	3320	5/8"
2232S	7/16"	3322	11/16"
2233S	1/2"	3324	3/4"
2234S	9/16"	3326	13/16"
2235S	5/8"	3328	7/8"
2236S	11/16"	3330	15/16"
2237S	3/4"	3332	1"
Long Handle Series		3334	1-1/16"
3312	3/8"	3336	1-1/8"
3314	7/16"	3340	1-1/4"

NO. 20213B TOOLS ONLY (1 OF EACH LISTED)

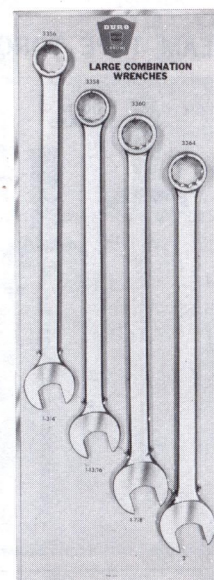
STD. PKG. 1—PKG. WT. 6.00 Lbs.

NO. 20213B-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 14.50 Lbs.

COMBINATION WRENCH DISPLAY

15" x 42" PANEL



No.	Size
3356	1-3/4"
3358	1-13/16"
3360	1-7/8"
3364	2"

NO. 20248 TOOLS ONLY

(1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 28.50 Lbs.

NO. 20248-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 10.00 Lbs.

COMBINATION WRENCH DISPLAY

24" x 24" PANEL

No.	Size
3342	1-5/16"
3344	1-3/8"
3346	1-7/16"
3348	1-1/2"
3352	1-5/8"
3354	1-11/16"

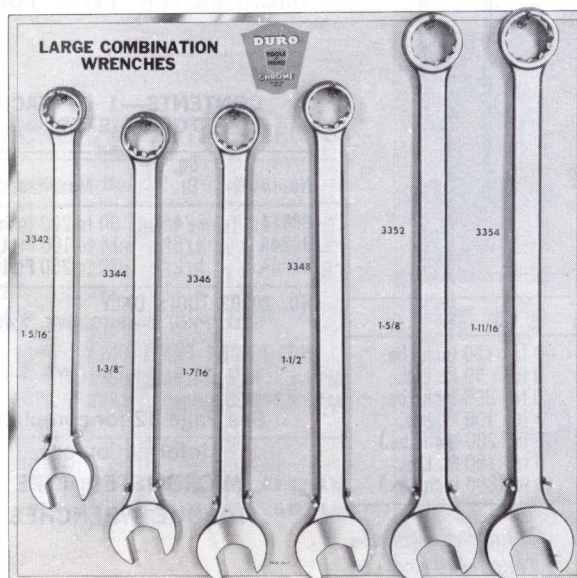
NO. 20247 TOOLS ONLY

(1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 21.75 Lbs.

NO. 20247-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 10.00 Lbs.

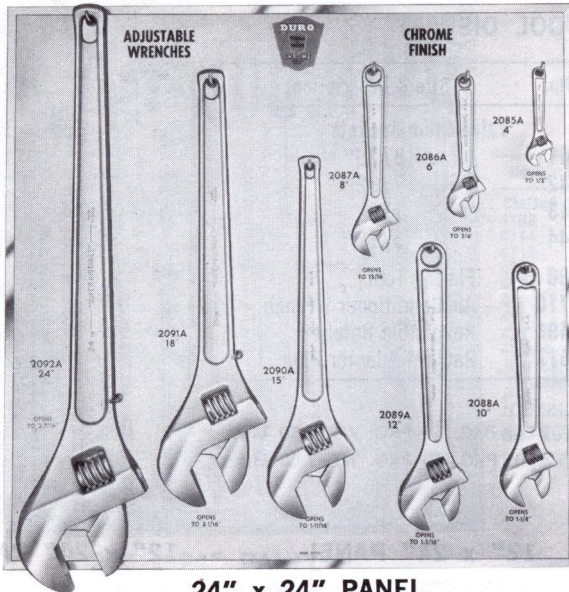


IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.

DISPLAY PANELS & TOOLS



ADJUSTABLE WRENCH DISPLAY



24" x 24" PANEL

CONTENTS— 1 OF EACH TOOL LISTED (Chrome Finish Wrenches)

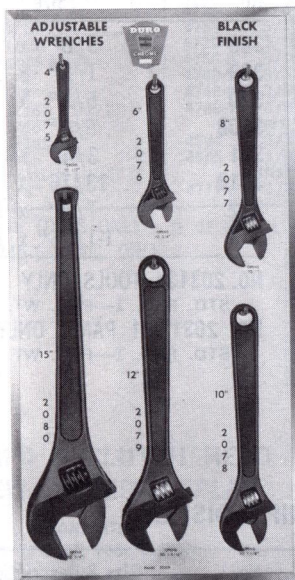
No.	Size
2085A	4"
2086A	6"
2087A	8"
2088A	10"
2089A	12"
2090A	15"
2091A	18"
2092A	24"

NO. 20252 TOOLS ONLY
STD. PKG. 1—PKG. WT. 25.75 Lbs.

NO. 20252-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 6.00 Lbs.

ADJUSTABLE WRENCH DISPLAY

12" x 24" PANEL



CONTENTS— 1 OF EACH TOOL LISTED (Black Finish Wrenches)

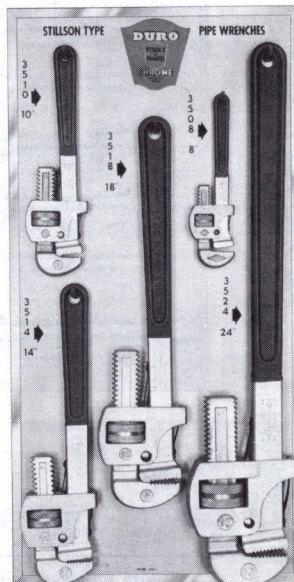
No.	Size
2075	4"
2076	6"
2077	8"
2078	10"
2079	12"
2080	15"

NO. 20309 TOOLS ONLY
STD. PKG. 1—PKG. WT. 10.75 Lbs.

NO. 20309-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 5.00 Lbs.

STILLSON TYPE PIPE WRENCH DISPLAY

12" x 24" PANEL



CONTENTS— 1 OF EACH TOOL LISTED

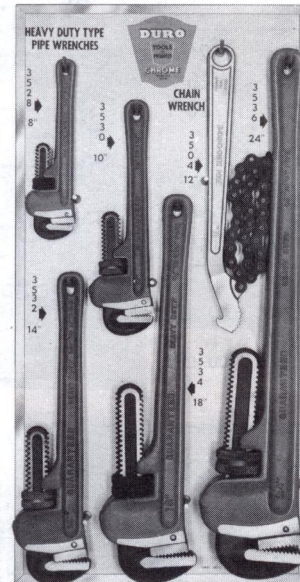
No.	Size
3508	8"
3510	10"
3514	14"
3518	18"
3524	24"

NO. 20314 TOOLS ONLY
STD. PKG. 1—PKG. WT. 18.00 Lbs.

NO. 20314-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 5.00 Lbs.

HEAVY DUTY TYPE PIPE WRENCH DISPLAY

12" x 24" PANEL



CONTENTS— 1 OF EACH TOOL LISTED

No.	Size
Pipe Wrenches	
3528	8"
3530	10"
3532	14"
3534	18"
3536	24"
Chain Wrench	
3504	12"

NO. 20315 TOOLS ONLY
STD. PKG. 1—PKG. WT. 24.00 Lbs.

NO. 20315-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 5.00 Lbs.

IMPORTANT—Specify both TOOLS ONLY & PANEL ONLY part numbers to order a complete unit.



DISPLAY PANELS & TOOLS

REFRIGERATION TOOL DISPLAY

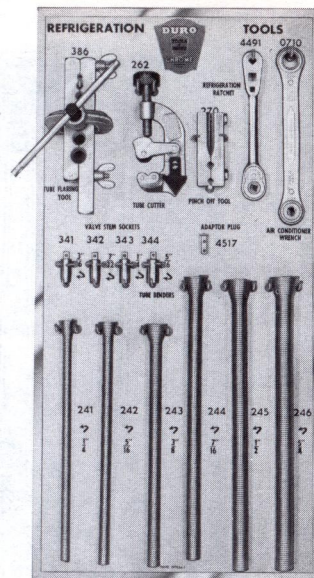
No.	Size & Description	No.	Size & Description
Coil Spring Tube Benders		Valve Stem Sockets	
241	1/4" x 10"	341	3/16"
242	5/16" x 10"	342	7/32"
243	3/8" x 10"	343	1/4"
244	7/16" x 12"	344	5/16"
245	1/2" x 12"	386	Flaring Tool
246	5/8" x 12"	0710	Air Conditioner Wrench
262	Tubing Cutter	4491	Reversible Ratchet
270	Pinch Off Tool	4517	Ratchet Adaptor Plug

NO. 20325A TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 6.50 Lbs.

NO. 20325A-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 7.00 Lbs.



12" x 24" PANEL

12" x 24" PANEL

12" x 24" PANEL

OFFSET PATTERN FLARE NUT WRENCH DISPLAY

CONTENTS—
1 OF EACH TOOL LISTED

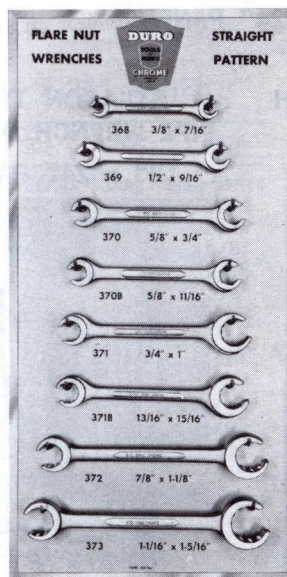
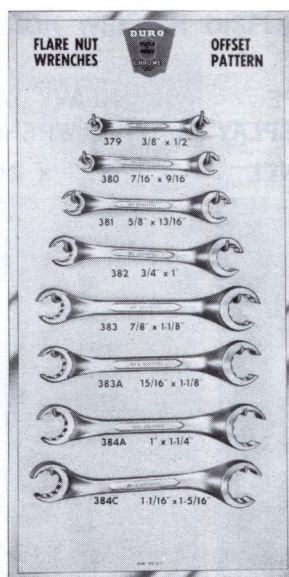
No.	Size
379	3/8" x 1/2"
380	7/16" x 9/16"
381	5/8" x 13/16"
382	3/4" x 1"
383	7/8" x 1-1/8"
383A	15/16" x 1-1/8"
384A	1" x 1-1/4"
384C	1-1/16" x 1-5/16"

NO. 20312A TOOLS ONLY

STD. PKG. 1—PKG. WT. 6.00 Lbs.

NO. 20312A-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 5.00 Lbs.



STRAIGHT PATTERN FLARE NUT WRENCH DISPLAY

CONTENTS—
1 OF EACH TOOL LISTED

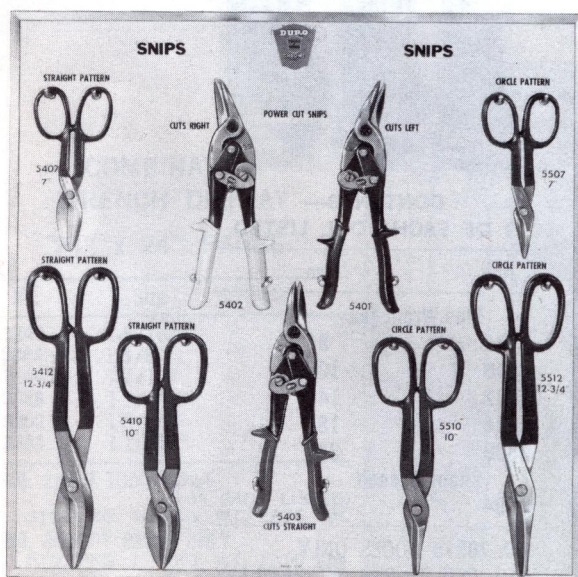
No.	Size
368	3/8" x 7/16"
369	1/2" x 9/16"
370	5/8" x 3/4"
370B	5/8" x 11/16"
371	3/4" x 1"
371B	13/16" x 15/16"
372	7/8" x 1-1/8"
373	1-1/16" x 1-5/16"

NO. 20313A TOOLS ONLY

STD. PKG. 1—PKG. WT. 2.50 Lbs.

NO. 20313A-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 6.00 Lbs.



TINNERS SNIPS DISPLAY

No.	Size & Description	No.	Size & Description
Power Cutting		Circle Pattern	
5401	10" Left Cut	5507	7"
5402	10" Right Cut	5510	10"
5403	10" Straight Cut	5512	12-3/4"
Straight Pattern			
5407	7"		
5410	10"		
5412	12-3/4"		

NO. 20221A TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 7.00 Lbs.

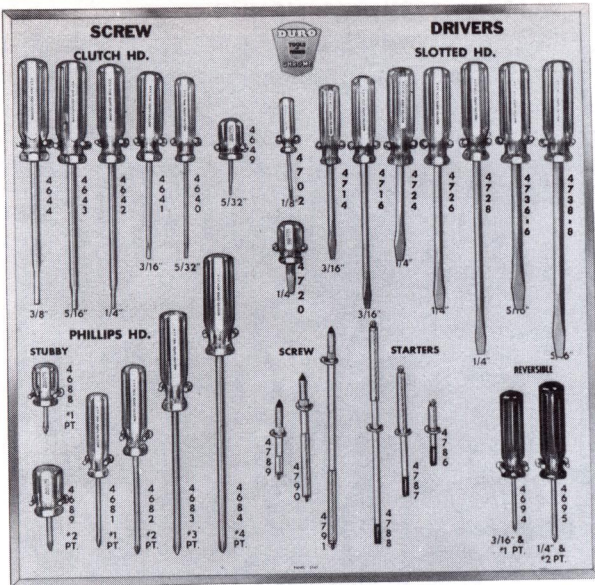
NO. 20221A-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 10.00 Lbs.

24" x 24" PANEL

IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.

DISPLAY PANELS & TOOLS



24" x 24" PANEL

SCREW DRIVER DISPLAY

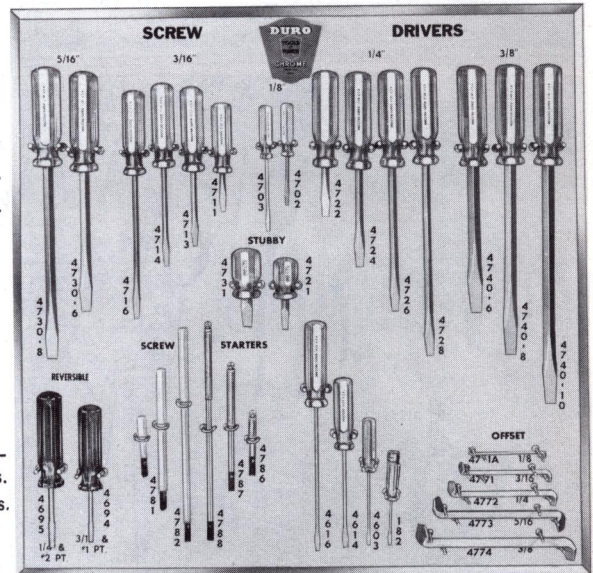
No.	Size & Description	No.	Size & Description	No.	Size & Description
Slotted Type—Square Blade					
4702	1/8" x 2-1/16"	4787	5"	4790	5"
4714	3/16" x 4"	4788	9"	4791	9"
4716	3/16" x 6"	Phillips Type			
4721	1/4" x 4"	4681	#1 Point	Clutch Head Type	
4724	1/4" x 1-1/4"	4682	#2 Point	4640	5/32" x 4"
4726	1/4" x 6"	4683	#3 Point	4641	3/16" x 4"
4728	1/4" x 8"	4684	#4 Point	4642	1/4" x 6"
4730-6	5/16" x 6"	4688	#1 Point, Stubby	4643	5/16" x 6"
4730-8	5/16" x 8"	4689	#2 Point, Stubby	4644	3/8" x 6"
Slotted Type Screw Starters		Phillips Type Screw Starters		4649	5/32" x 1-1/2" Stub.
Aluminum—With Magnets		Aluminum—With Magnets		Reversible Type	
4786	2-1/2"	4789	3"	4694	3/16" Slotted & #1 Pt.
				4695	1/4" Slotted & #2 Pt.

NO. 20237A TOOLS ONLY (1 OF EACH LISTED) STD. PKG. 1—PKG. WT. 10.00 Lbs.
 NO. 20237A-1 PANEL ONLY STD. PKG. 1—PKG. WT. 11.00 Lbs.

SCREW DRIVER DISPLAY

No.	Size & Description	No.	Size & Description	No.	Size & Description
Round Blade					
182	1/8" x 1-7/8"	4724	1/4" x 4"	4771	3/16" x 3-15/16"
4603	1/8" x 3"	4726	1/4" x 6"	4772	1/4" x 4-3/4"
4614	3/16" x 4"	4728	1/4" x 8"	4773	5/16" x 5-5/8"
4616	3/16" x 6"	4731	5/16" x 1-1/4"	4774	1/2" x 6-5/8"
Square Blade					
4702	1/8" x 2"	4730-6	5/16" x 6"	Screw Starters—Nylon	
4703	1/8" x 3"	4730-8	5/16" x 8"	4780	2-1/2"
4711	3/16" x 1-1/2"	4740-6	3/8" x 6"	4781	6"
4713	3/16" x 3"	4740-8	3/8" x 8"	4782	9"
4714	3/16" x 4"	4740-10	3/8" x 10"	Screw Starters	
4716	3/16" x 6"	Reversible Type		Aluminum—With Magnets	
4720	1/4" x 1-1/4"	4694	3/16" x #1 Pt.	4786	2-1/2"
4722	1/4" x 2"	4695	1/4" x #2 Pt.	4787	5"
		Offset Type		4788	9"
		4771A	1/8" x 3-3/16"		

NO. 20245 TOOLS ONLY (1 OF EACH LISTED) STD. PKG. 1—PKG. WT. 10.00 Lbs.
 NO. 20245-1 PANEL ONLY STD. PKG. 1—PKG. WT. 13.00 Lbs.



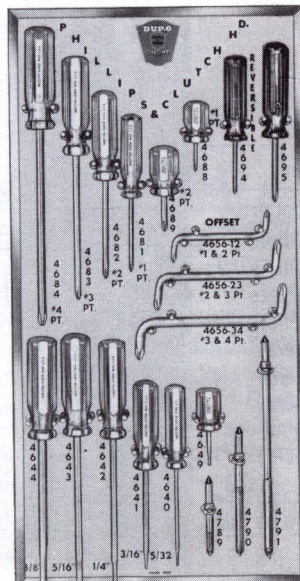
24" x 24" PANEL

PHILLIPS & CLUTCH HEAD SCREW DRIVER DISPLAY

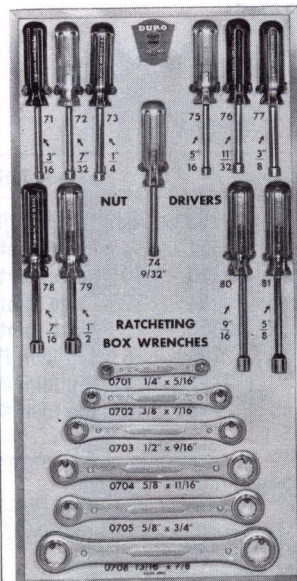
CONTENTS—
1 OF EACH TOOL LISTED

No.	Size	No.	Size
Phillips			
4681	#1 Pt.	Clutch Head	
4682	#2 Pt.	4640	5/32" x 4"
4683	#3 Pt.	4641	3/16" x 4"
4684	#4 Pt.	4642	1/4" x 6"
4688	#1 Pt. (Stubby)	4643	5/16" x 6"
4689	#2 Pt. (Stubby)	4644	3/8" x 6"
Double Offset		4649	5/32" x 1-1/2"
4656-12	#1 & 2 Pt.	Screw Starters	
4656-23	#2 & 3 Pt.	4789	3"
4656-34	#3 & 4 Pt.	4790	5"
Reversible		4791	9"
4694	3/16" & 1 Pt.		
4695	1/4" x 2 Pt.		

NO. 20318 TOOLS ONLY
STD. PKG. 1—PKG. WT. 7.00 Lbs.
 NO. 20318-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 8.00 Lbs.



12" x 24" PANEL



12" x 24" PANEL

NUT DRIVER & RATCHETING BOX WRENCH DISPLAY

CONTENTS—
1 OF EACH TOOL LISTED

No.	Size	No.	Size
Nut Drivers			
71	3/16"	Ratcheting Box Wrs.	
72	7/32"	0701	1/4" x 5/16"
73	1/4"	0702	3/8" x 7/16"
74	9/32"	0703	1/2" x 9/16"
75	5/16"	0704	5/8" x 11/16"
76	11/32"	0705	5/8" x 3/4"
77	3/8"	0708	13/16" x 7/8"
78	7/16"		
79	1/2"		
80	9/16"		
81	5/8"		

NO. 20319 TOOLS ONLY
STD. PKG. 1—PKG. WT. 7.25 Lbs.
 NO. 20319-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 6.00 Lbs.

IMPORTANT—Specify both TOOLS ONLY & PANEL ONLY part numbers to order a complete unit.



DISPLAY PANELS & TOOLS

PLIER DISPLAY

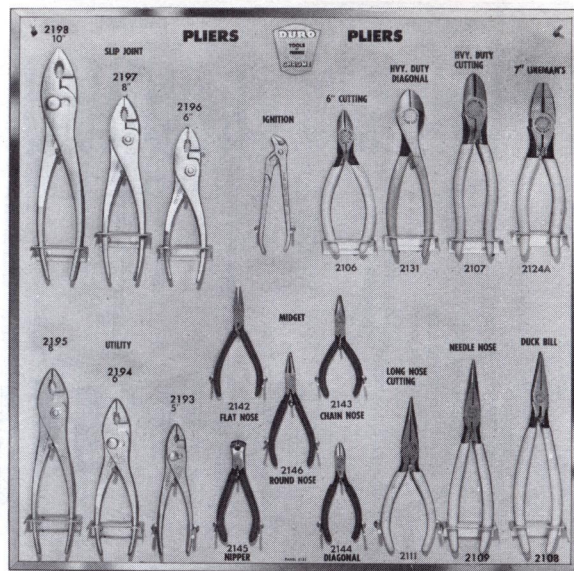
No.	Description	No.	Description
2106	6" Cutting Pliers	2144	Diag. Cut. Midget Pliers
2107	Heavy Duty Cutting Pliers	2145	End Cut. Midget Nippers
2108	Duck Bill Pliers	2146	Round Nose Looping Midget Pliers
2109	Needle Nose Pliers	2193	5" Utility Slip Joint Pliers
2110	Ignition Pliers	2194	6" Utility Slip Joint Pliers
2111	Long Nose Cutting Pliers	2195	8" Utility Slip Joint Pliers
2124A	7" Lineman's Pliers	2196	6" Prof. Slip Joint Pliers
2131	Ex. Heavy Duty Cut. Pliers	2197	8" Prof. Slip Joint Pliers
2142	Flat Nose Midget Pliers	2198	10" Prof. Slip Joint Pliers
2143	Chain Nose Midget Pliers		

NO. 20216B TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 5.50 Lbs.

NO. 20216B-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 10.00 Lbs.



24" x 24" PANEL

PLIER DISPLAY

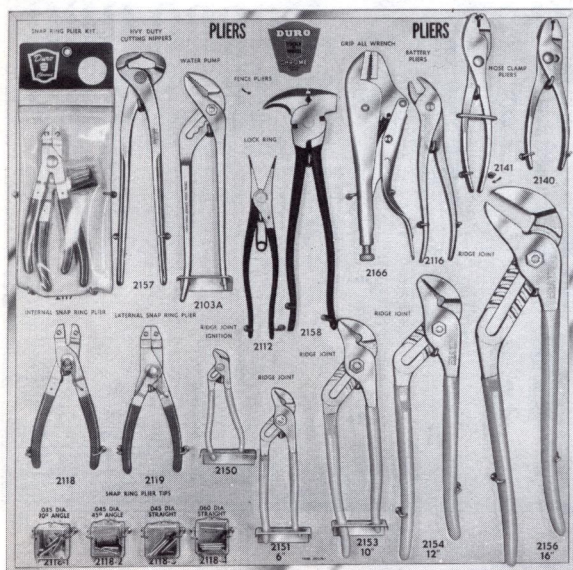
No.	Description	No.	Description
2103A	Water Pump Pliers	2156	16" Ridge Joint Pliers
2112	Lock Ring Pliers	2157	Hvy. Duty Cutting Nippers
2116	Battery Pliers	2158	10" Fence Pliers
2117	Snap Ring Set	2118	Internal Snap Ring Pliers
2166	10" Grip All Wrench	2119	External Snap Ring Pliers
2140	Hose Clamp Pliers		Snap Ring Plier Tips
2141	Hose Clamp Pliers	*2118-1	.035—90° Angle
2150	Ridge Joint Ign. Pliers	*2118-2	.045—45° Angle
2151	6" Ridge Joint Pliers	*2118-3	.045—Straight
2153	10" Ridge Joint Pliers	*2118-4	.060—Straight
2154	12" Ridge Joint Pliers		*1 Pkg. of 12 Each

NO. 20217B TOOLS ONLY (1 OF EACH LISTED EXCEPT*)

STD. PKG. 1—PKG. WT. 9.50 Lbs.

NO. 20217B-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 10.00 Lbs.



24" x 24" PANEL

PLIER DISPLAY

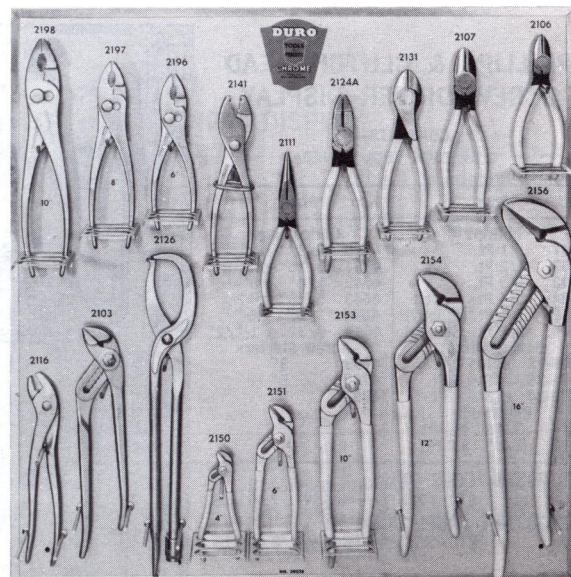
No.	Description	No.	Description
2103A	Water Pump Pliers	2150	Ridge Joint Ignition Pliers
2106	6" Cutting Pliers	2151	6" Ridge Joint Pliers
2107	7" Heavy Duty Cutting Pliers	2153	10" Ridge Joint Pliers
2111	Long Nose Cutting Pliers	2154	12" Ridge Joint Pliers
2116	Battery Pliers	2156	16" Ridge Joint Pliers
2124A	7" Lineman's Pliers	2196	6" Slip Joint Pliers
2126	Brake Spring Pliers	2197	8" Slip Joint Pliers
2131	Extra Hvy. Duty Cutting Pliers	2198	10" Slip Joint Pliers
2141	Hose Clamp Pliers		

NO. 20236 TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 13.50 Lbs.

NO. 20236-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 10.00 Lbs.



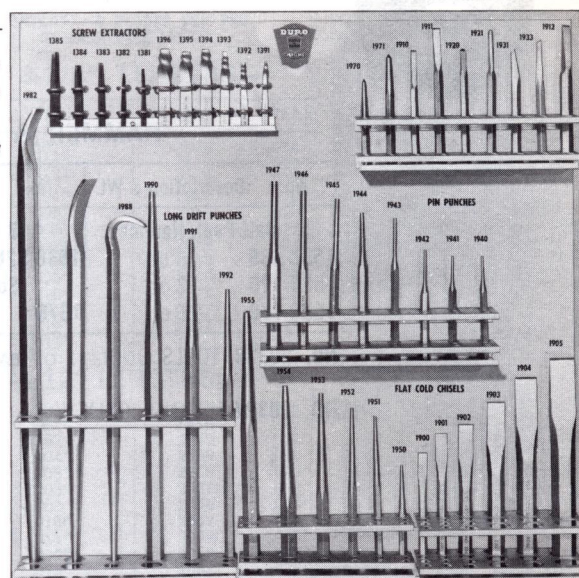
24" x 24" PANEL

IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.

DISPLAY PANELS & TOOLS

PUNCH & CHISEL DISPLAY

No.	Size & Description	No.	Size & Description	No.	Size & Description
Scr. Extr's—Twist Type		Cape Chisels		Long Taper Punches	
1391	1/8" Pt.	1910	7/32" x 5"	1950	3/32" x 4-1/2"
1392	3/16" Pt.	1911	5/16" x 6"	1951	1/8" x 6-1/2"
1393	1/4" Pt.	1912	3/8" x 6"	1952	3/16" x 7"
1394	3/8" Pt.	Gouge Chisels		1953	7/32" x 7-1/2"
1395	7/16" Pt.	1920	7/32" x 5"	1954	1/4" x 8"
1396	1/2" Pt.	1921	1/4" x 6"	1955	9/32" x 11"
Scr. Extr's—Strt. Type		Diamond Point Chisels		Center Punches	
1381	1/8" Pt.	1931	1/8" x 5-1/4"	1970	4"
1382	11/64" Pt.	1933	1/4" x 5-1/2"	1971	5"
1383	13/64" Pt.	Pin Punches		Pry Bars	
1384	19/64" Pt.	1940	3/32" x 4-1/2"	1981	1" x 16"
1385	11/32" Pt.	1941	1/8" x 4-1/2"	1982	1-1/8" x 20"
Cold Chisels		1942	5/32" x 4-1/2"	1988	5/8" x 15"
1900	3/8" x 5"	1943	5/32" x 6"	Long Drift Punches	
1901	1/2" x 5-3/4"	1944	3/16" x 6-1/2"	1990	1/4" x 16"
1902	5/8" x 6"	1945	7/32" x 6-7/8"	1991	7/32" x 14"
1903	3/4" x 7"	1946	1/4" x 7-1/4"	1992	3/16" x 12"
1904	7/8" x 8"	1947	5/16" x 7-5/8"		
1905	1" x 9"				



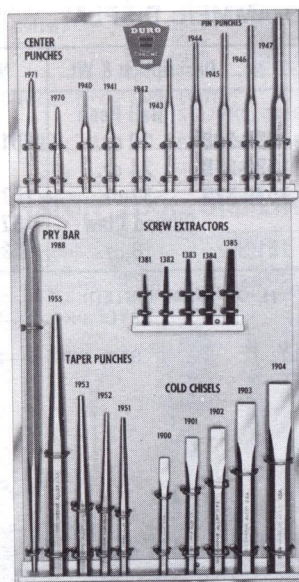
24" x 24" PANEL

NO. 20218A TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 10.50 Lbs.

NO. 20218A-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 14.00 Lbs.



12" x 24"
PANEL

PUNCH & CHISEL DISPLAY

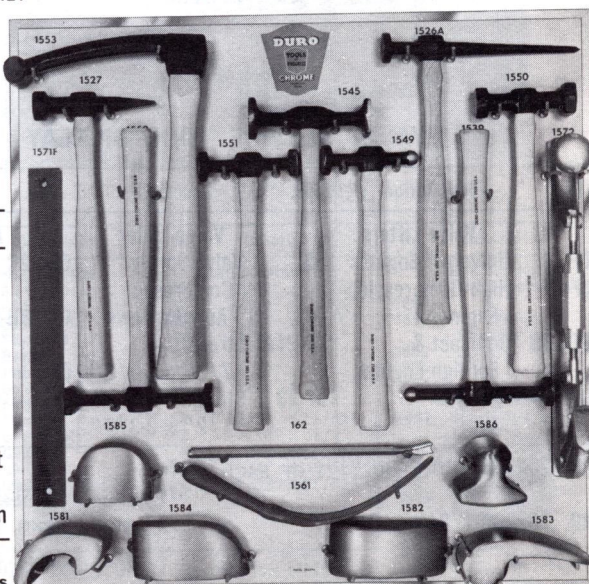
No.	Size & Description	No.	Size & Description	No.	Size & Description
Cold Chisels		Pin Punches		Long Taper Punches	
1900	3/8" x 5"	1941	1/8" x 4-1/2"	1953	7/32" x 7-1/2"
1901	1/2" x 5-3/4"	1942	5/32" x 4-1/2"	1955	9/32" x 11"
1902	5/8" x 6"	1943	5/32" x 6"	Pry Bar	
1903	3/4" x 7"	1944	3/16" x 6-1/2"	1988	5/8" x 15"
1904	7/8" x 8"	1945	7/32" x 6-7/8"	Screw Extractors	
Center Punches		1946	1/4" x 7-1/4"	1381	1/8" Pt.
1970	4"	1947	5/16" x 7-5/8"	1382	11/64" Pt.
1971	5"	Long Taper Punches		1383	13/64" Pt.
Pin Punches		1951	1/8" x 6-1/2"	1384	19/64" Pt.
1940	3/32" x 4-1/2"	1952	3/16" x 7"	1385	11/32" Pt.

NO. 20323 TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 7.00 Lbs.

NO. 20323-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 7.00 Lbs.



24" x 24" PANEL

BODY & FENDER TOOL DISPLAY

No.	Description	No.	Description	No.	Description
Hammers			Hammers	Dollys	
1526A	Long Dimple Dinging	1552	Dinging	1585	Heel
1527	Narrow Peen Bumping	1553	Fender Bumping	1586	Utility
1539	Medium Dinging	Dollys		Misc. Tools	
1545	Shrinking	1581	Curved	162	Panel Cutter
1549	Dimple Dinging	1582	Wedge	1572	14" Flexible File and Holder
1550	Bumping 13 Oz.	1583	Comma	1571F	14" Replacement File
1551	Bumping 10 Oz.	1584	Toe	1561	Curved Flat Spoon

NO. 20229A TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 35.00 Lbs.

NO. 20229A-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 10.00 Lbs.

IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.



DISPLAY PANELS & TOOLS

HAMMER & MALLET DISPLAY

No.	Description & Wt.	No.	Description & Wt.	No.	Description & Wt.
Ball Peen Hammers			Ball Peen Hammer		Blacksmith Hammer
1530-8B	8 oz.	1530-32B	32 oz.	1524	2.50 lbs.
1530-12B	12 oz.	Soft Face Hammer		Rubber Mallet	
1530-16B	16 oz.	1579	16 oz.	1537	18 oz.

NO. 20324 TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 13.00 Lbs.

NO. 20324-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 5.00 Lbs.



12" x 24" PANEL



24" x 24" PANEL

HAMMER DISPLAY

No.	Description & Wt.	No.	Description & Wt.	No.	Description & Wt.
Ball Peen		Ball Peen		Straight Claw	
1530-2B	2 oz.	1530-20B	20 oz.	1513A	16 oz.
1530-4B	4 oz.	1530-24B	24 oz.	Soft Face	
1530-8B	8 oz.	1530-32B	32 oz.	1578	10 oz.
1530-12B	12 oz.	Curved Claw		1579	16 oz.
1530-16B	16 oz.	1512A	16 oz.	1580	32 oz.

NO. 20228B TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 21.50 Lbs.

NO. 20228B-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 10.00 Lbs.

VALVE SERVICE TOOL DISPLAY

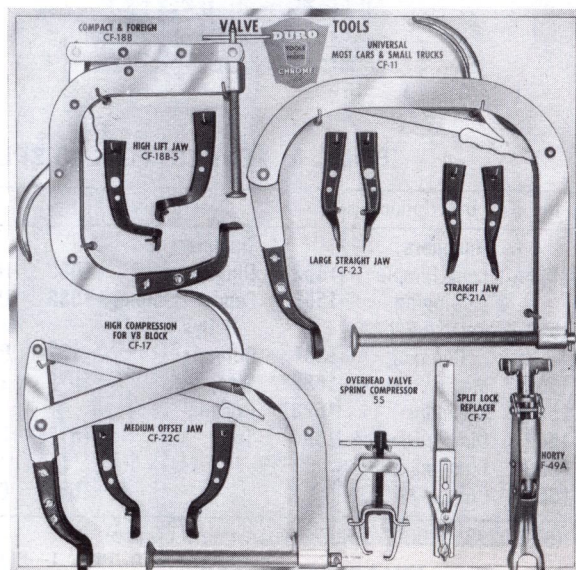
No.	Description	No.	Description	No.	Description
Valve Lifters		Valve Lifter		Adaptor Jaws	
CF-11	Universal Engines	55	Valve Spring Compressor	CF-22C	Offset—1" to 2"
CF-17	High Compression Engines	Adaptor Jaws		CF-18B-5	High Lift for CF18B
CF-18B	Compact & Foreign Engines	CF-21A	Straight—7/8" x 1-1/2"	CF-7	Split Lock Replacer
CF-49A	Shorty	CF-23	Straight—1-1/2" x 2-3/4"		

NO. 20226B TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 36.00 Lbs.

NO. 20226B-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 10.00 Lbs.

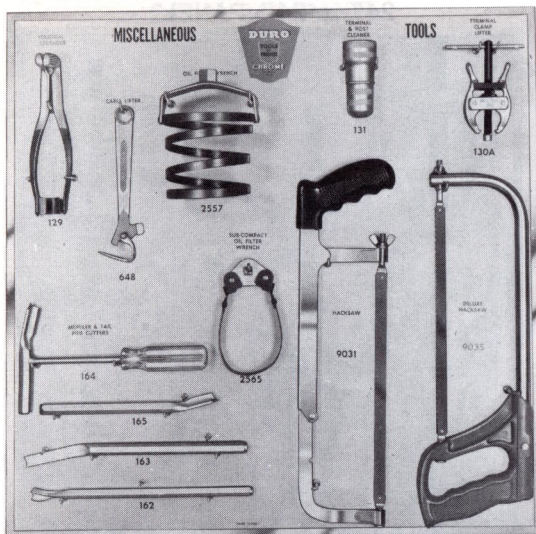


24" x 24" PANEL

IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.

DISPLAY PANELS & TOOLS

BATTERY & MISC. TOOL DISPLAY



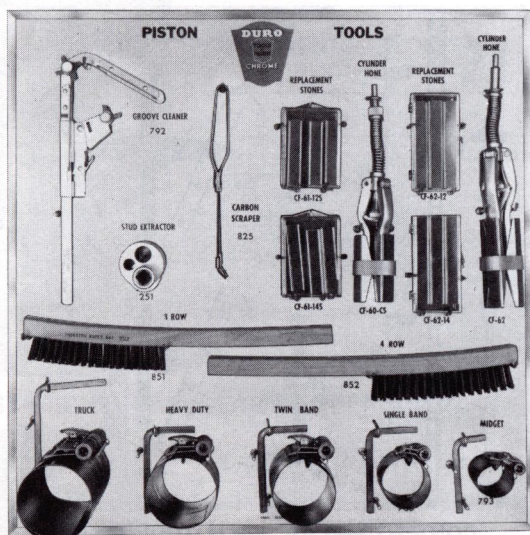
24" x 24" PANEL

No.	Description	No.	Description
Battery Tools			
129	Terminal Clamp Spreader	164	Handle Type, 1/2" x 5"
130A	Terminal Clamp Lifter	Miscellaneous Tools	
131	Post Cleaner	162	Body Panel Cutter
648	Battery Terminal Lifter	2557	Oil Filter Wrench
Muffer & Tail Pipe Cutters		2565	Oil Filter Wrench
163	Offset 1/2" x 10-1/4"	9035	Hack Saw
165	Offset 1/2" x 7-7/8"	9031	Hack Saw

NO. 20223B TOOLS ONLY (1 OF EACH LISTED) STD. PKG. 1—PKG. WT. 18.11 Lbs.

NO. 20223B-1 PANEL ONLY STD. PKG. 1—PKG. WT. 8.00 Lbs.

PISTON TOOL DISPLAY



24" x 24" PANEL

No.	Description	No.	Description
Piston Ring Compressors			
785	Single Band, 2-1/8" to 5"	CF-60CS	Glaze Breaker Hones
790	Twin Band, 2-1/8" to 5"	CF-62	2" to 7"
790S	Heavy Duty, 3-1/2" to 7"	Replacement Stones	
790T	Truck, 3-1/2" to 7"	CF-61-12S	Medium Grit, 3"
793	Midget, 1-1/2" to 3"	CF-61-14S	Fine Grit, 3"
Piston Groove Cleaner		CF-62-12	Medium Grit, 4"
792	Deluxe	CF-62-14	Fine Grit, 4"
Wire Brushes			
851	3 Row	Miscellaneous	
852	4 Row	251	Stud Remover
		825	Carbon Scraper

NO. 20239 TOOLS ONLY (1 OF EACH LISTED) STD. PKG. 1—PKG. WT. 8.25 Lbs.

NO. 20239-1 PANEL ONLY STD. PKG. 1—PKG. WT. 9.00 Lbs.

FEELER GAUGE DISPLAY

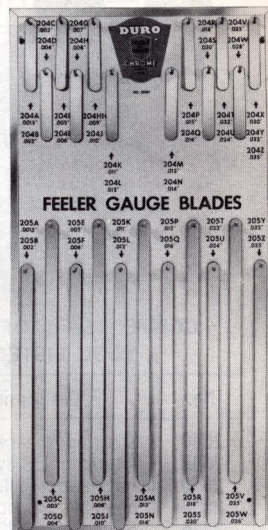
CONTENTS—6 BLADES PER PKG.
OF EACH SIZE LISTED

— 3-1/4" LENGTHS —

No.	Thick.	No.	Thick.
204A	.0015"	204N	.014"
204B	.002"	204P	.015"
204C	.003"	204Q	.016"
204D	.004"	204R	.018"
204E	.005"	204S	.020"
204F	.006"	204T	.022"
204G	.007"	204U	.024"
204H	.008"	204V	.025"
204HH	.009"	204W	.028"
204J	.010"	204X	.030"
204K	.011"	204Y	.032"
204L	.012"	204Z	.035"
204M	.013"		

— 12" LENGTHS —

No.	Thick.	No.	Thick.
205A	.0015"	205N	.014"
205B	.002"	205P	.015"
205C	.003"	205Q	.016"
205D	.004"	205R	.018"
205E	.005"	205S	.020"
205F	.006"	205T	.022"
205H	.008"	205U	.024"
205J	.010"	205V	.025"
205K	.011"	205W	.026"
205L	.012"	205Y	.032"
205M	.013"	205Z	.035"



12" x 24" PANEL

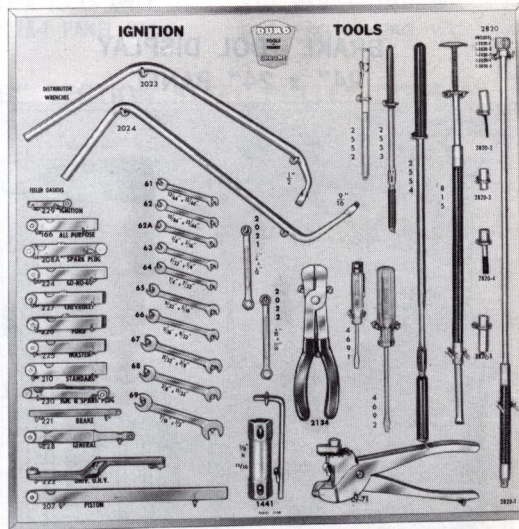
NO. 20301 TOOLS ONLY

STD. PKG. 1—PKG. WT. 4.88 Lbs.

NO. 20301-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 5.00 Lbs.

IGNITION TOOL DISPLAY



24" x 24" PANEL

No.	Description	No.	Description	No.	Description
Feeler Gauges		Ignition Wrenches		Spark Testing Screw Drivers	
166	All Purpose	61	13/64" x 15/64"	4691	5"
207	Piston	62	15/64" x 13/64"	4692	7-3/4"
208A	Spark Plug	62A	1/4" x 3/16"	Magnets	
210	Standard	63	7/32" x 1/4"	2552	6"
221	Brake	64	1/4" x 7/32"	2553	9"
222	Univ. O.H.V.	65	9/32" x 5/16"	2554	17" to 26-1/2"
224	Go - No Go	66	5/16" x 9/32"	Miscellaneous	
225	Master	67	11/32" x 3/8"	1441	Spark Plug Skt., 13/16" x 7/8"
226	Ford	68	3/8" x 11/32"	2134	Sp. Plug Ter. Plier
227	Chevrolet	69	7/16" x 1/2"	CF71	Sp. Plug Gap. Tool
228	General	Ignition Box Wrenches		815	Flexible Finger
229	Ignition	2021	1/4" x 5/16"	2820	1/4" Flexible Driver Set
230	Ignition & Sp. Pl.	2022	9/32" x 11/32"		
Distributor Wrenches					
2023	1/2"				
2024	9/16"				

NO. 20240 TOOLS ONLY (1 OF EACH LISTED)

STD. PKG. 1—PKG. WT. 6.00 Lbs.

NO. 20240-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 9.00 Lbs.

IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.

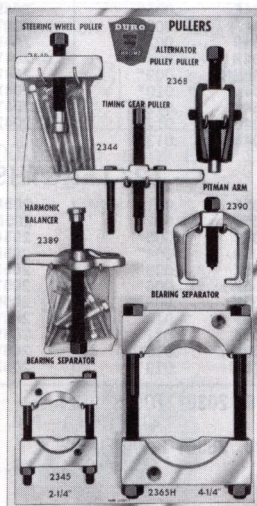


DISPLAY PANELS & TOOLS

PULLER DISPLAY 12" x 24" PANEL

CONTENTS—1 OF EACH TOOL LISTED

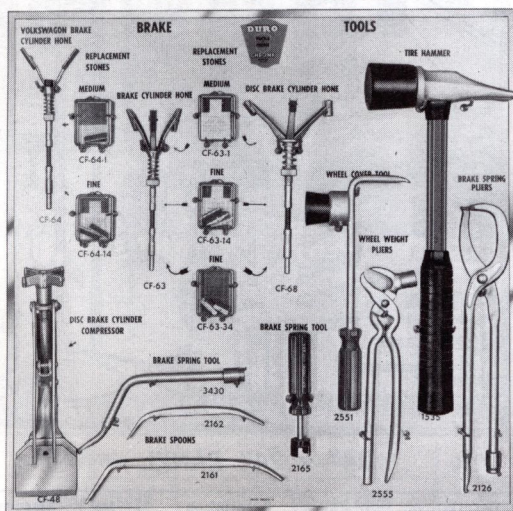
No.	Description
254B	Steering Wheel Puller
2368	Alternator Pulley Puller
2390	Pitman Arm Puller
2389	Harmonic Balancer Puller
2344	Timing Gear Puller
2345	2-1/4" Bearing Separator
2365H	4-1/4" Bearing Separator



NO. 20320A TOOLS ONLY
NO. 20320A-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 20.00 Lbs.
STD. PKG. 1—PKG. WT. 5.00 Lbs.

BRAKE TOOL DISPLAY 24" x 24" PANEL



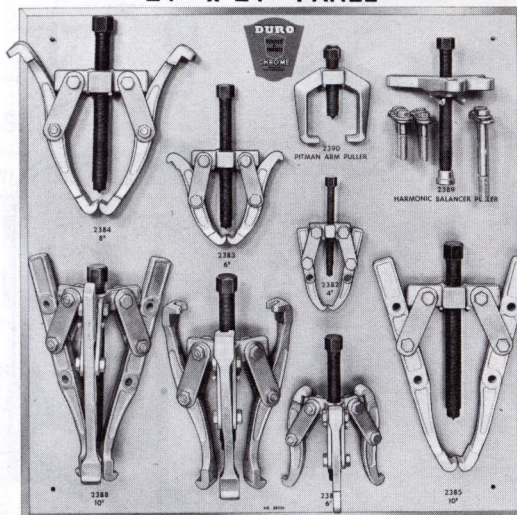
CONTENTS—1 OF EACH TOOL LISTED

No.	Description	No.	Description
Brake Cylinder Tools			
CF-63	Hone, 3/4" to 2-1/4" Dia.	2161	Adjusting Tool, 9-1/2"
CF-63-1	Medium Grit Stones, 1-1/8"	2162	Adjusting Tool, 6"
CF-63-14	Fine Grit Stones, 1-1/8"	2126	Brake Spring Plier, 13-1/2"
CF-64-34	Fine Grit Stones, 3/4"	2165	Brake Spring Plier
CF-64	Hone, 1/2" to 2-1/4" Dia.	3430	Brake Spring Tool
CF-64-1	Medium Grit Stones, 1-1/8"	Tire & Wheel Tools	
CF-64-14	Fine Grit Stones, 1-1/8"	1535	Tire Hammer
CF-48	Disc Brake Cyl. Compressor	2551	Wheel Cover Tool
CF-68	Disc Brake Cylinder Hone	2555	Wheel Weight Plier

NO. 20241B TOOLS ONLY
NO. 20241B-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 11.00 Lbs.
STD. PKG. 1—PKG. WT. 10.00 Lbs.

PULLER DISPLAY 24" x 24" PANEL



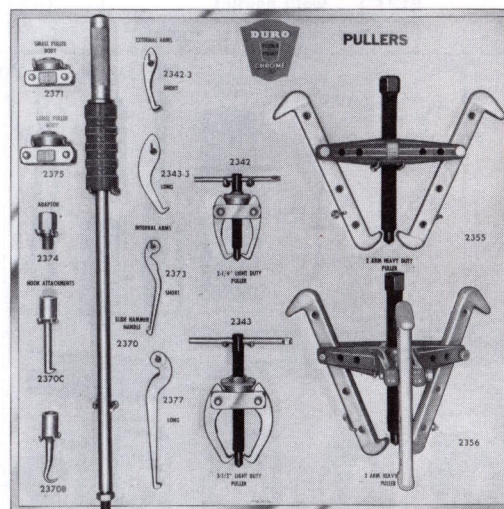
CONTENTS—1 OF EACH TOOL LISTED

No.	Description	No.	Description
Adjustable Type		Reversible Type	
2382	4" 2-Jaw	2384	8" 2-Jaw
2385	10" 2-Jaw	2386	6" 3-Jaw
2388	10" 3-Jaw	2387	8" 3-Jaw
Reversible Type		2389	Harmonic Balancer
2383	6" 2-Jaw	2390	Pitman Arm

NO. 20235 TOOLS ONLY
NO. 20235-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 29.00 Lbs.
STD. PKG. 1—PKG. WT. 10.00 Lbs.

SLIDE HAMMER & PULLER DISPLAY 24" x 24" PANEL



CONTENTS—1 OF EACH TOOL LISTED

No.	Description	No.	Description
Slide Hammer & Attachments		Slide Hammer & Attachments	
2370	Hammer Handle	*2373	Short Int. Arms (2)
2374	Adaptor	*2377	Long Int. Arms (2)
2370B	Sharp Hook Attach.	Gear Pullers	
2370C	Flat Hook Attach.	2342	2-1/4" Med. Duty
2371	Small Puller Body	2343	3-1/2" Med. Duty
2375	Large Puller Body	2355	2-Arm Hvy. Duty
*2342-3	Short Ext. Arms (2)	2356	3-Arm Hvy. Duty
*2343-3	Long Ext. Arms (2)		

*Display contains two each.

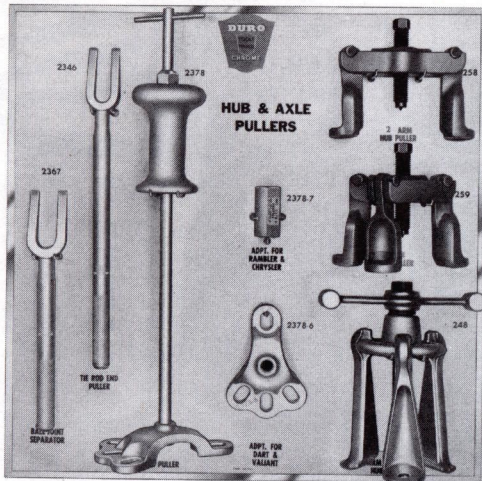
NO. 20230B TOOLS ONLY
NO. 20230B-1 PANEL ONLY

STD. PKG. 1—PKG. WT. 24.00 Lbs.
STD. PKG. 1—PKG. WT. 10.00 Lbs.

IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.

DISPLAY PANELS & TOOLS

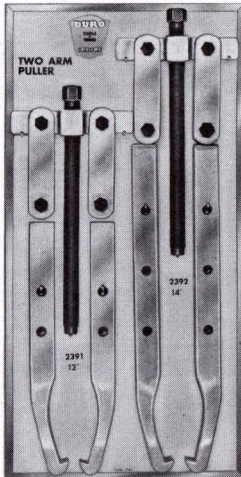
HUB & AXLE PULLER DISPLAY 24" x 24" PANEL



CONTENTS—1 OF EACH TOOL LISTED

No.	Description	No.	Description
248	3 Arm Hub Puller	2367	Ball Joint Separator
258	2 Arm Hub Puller	2378	Flange Type Axle Puller
259	3 Arm Hub Puller	2378-6	Puller Yoke
2346	Tie Rod End Puller	2378-7	Puller Adaptor
NO. 20231B TOOLS ONLY		STD. PKG. 1—PKG. WT. 25.00 Lbs.	
NO. 20231B-1 PANEL ONLY		STD. PKG. 1—PKG. WT. 11.00 Lbs.	

LARGE GEAR PULLER DISPLAY

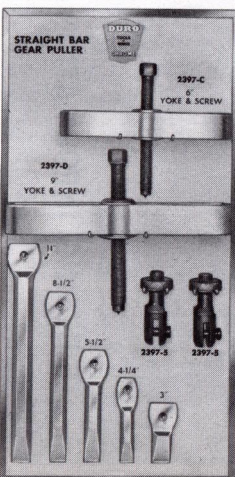


12" x 24" PANEL

CONTENTS—1 OF EACH TOOL LISTED

No.	Description
2391	12" 2 Arm Puller
2392	14" 2 Arm Puller
NO. 20310 TOOLS ONLY	
STD. PKG. 1—PKG. WT. 25.00 Lbs.	
NO. 20310-1 PANEL ONLY	
STD. PKG. 1—PKG. WT. 6.00 Lbs.	

STRAIGHT BAR GEAR PULLER DISPLAY



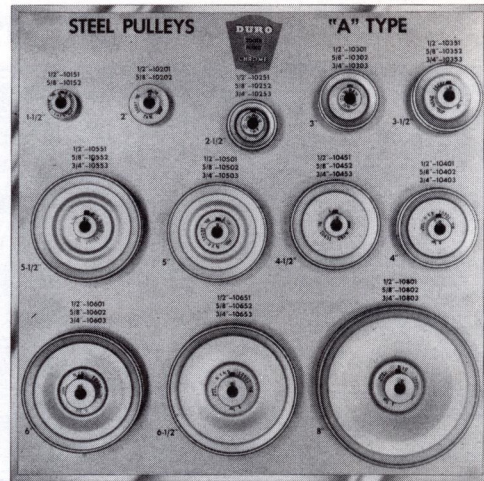
12" x 24" PANEL

CONTENTS

Quan.	No.	Description
1	2397C	6" Yoke & Screw
1	2397D	9" Yoke & Screw
2	2397-5	Clevis Assembly
2	2397-6	Cap Screw Jaws
2	2397-7	4-1/4" Jaws
2	2397-8	5-1/2" Jaws
2	2397-9	8-1/2" Jaws
2	2397-10	11" Jaws

NO. 20311 TOOLS ONLY
STD. PKG. 1—PKG. WT. 20.00 Lbs.
NO. 20311-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 5.00 Lbs.

"A" SECTION STEEL PULLEY DISPLAY 24" x 24" PANEL

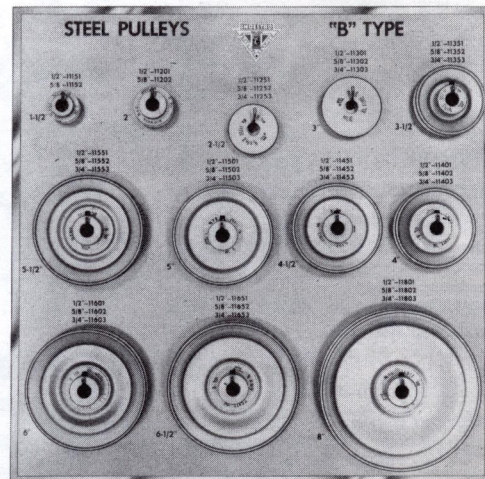


CONTENTS—1 OF EACH SIZE LISTED

BORE				BORE			
	1/2"	5/8"	3/4"		1/2"	5/8"	3/4"
Dia.	No.	No.	No.	Dia.	No.	No.	No.
1-1/2"	10151	10152		4-1/2"	10451	10452	10453
2"	10201	10202		5"	10501	10502	10503
2-1/2"	10251	10252	10253	5-1/2"	10551	10552	10553
3"	10301	10302	10303	6"	10601	10602	10603
3-1/2"	10351	10352	10353	6-1/2"	10651	10652	10653
4"	10401	10402	10403	8"	10801	10802	10803

NO. 20232A TOOLS ONLY
STD. PKG. 1—PKG. WT. 35.00 Lbs.
NO. 20232A-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 10.00 Lbs.

"B" SECTION STEEL PULLEY DISPLAY 24" x 24" PANEL



CONTENTS—1 OF EACH SIZE LISTED

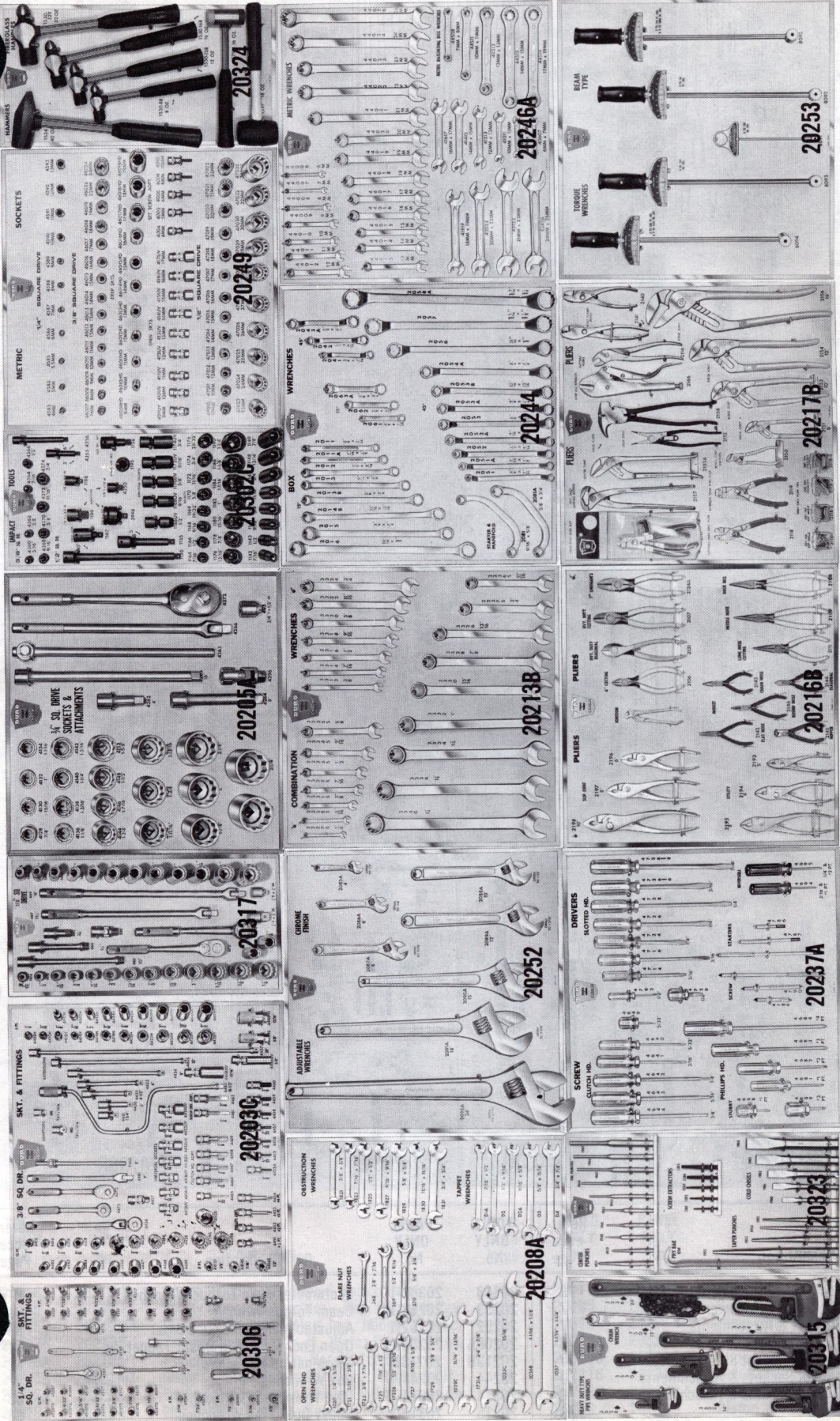
BORE				BORE			
	1/2"	5/8"	3/4"		1/2"	5/8"	3/4"
Dia.	No.	No.	No.	Dia.	No.	No.	No.
1-1/2"	11151	11152		4-1/2"	11451	11452	11453
2"	11201	11202		5"	11501	11502	11503
2-1/2"	11251	11252	11253	5-1/2"	11551	11552	11553
3"	11301	11302	11303	6"	11601	11602	11603
3-1/2"	11351	11352	11353	6-1/2"	11651	11652	11653
4"	11401	11402	11403	8"	11801	11802	11803

NO. 20233B TOOLS ONLY
STD. PKG. 1—PKG. WT. 36.00 Lbs.
NO. 20233B-1 PANEL ONLY
STD. PKG. 1—PKG. WT. 10.00 Lbs.

IMPORTANT—Specify both **TOOLS ONLY & PANEL ONLY** part numbers to order a complete unit.

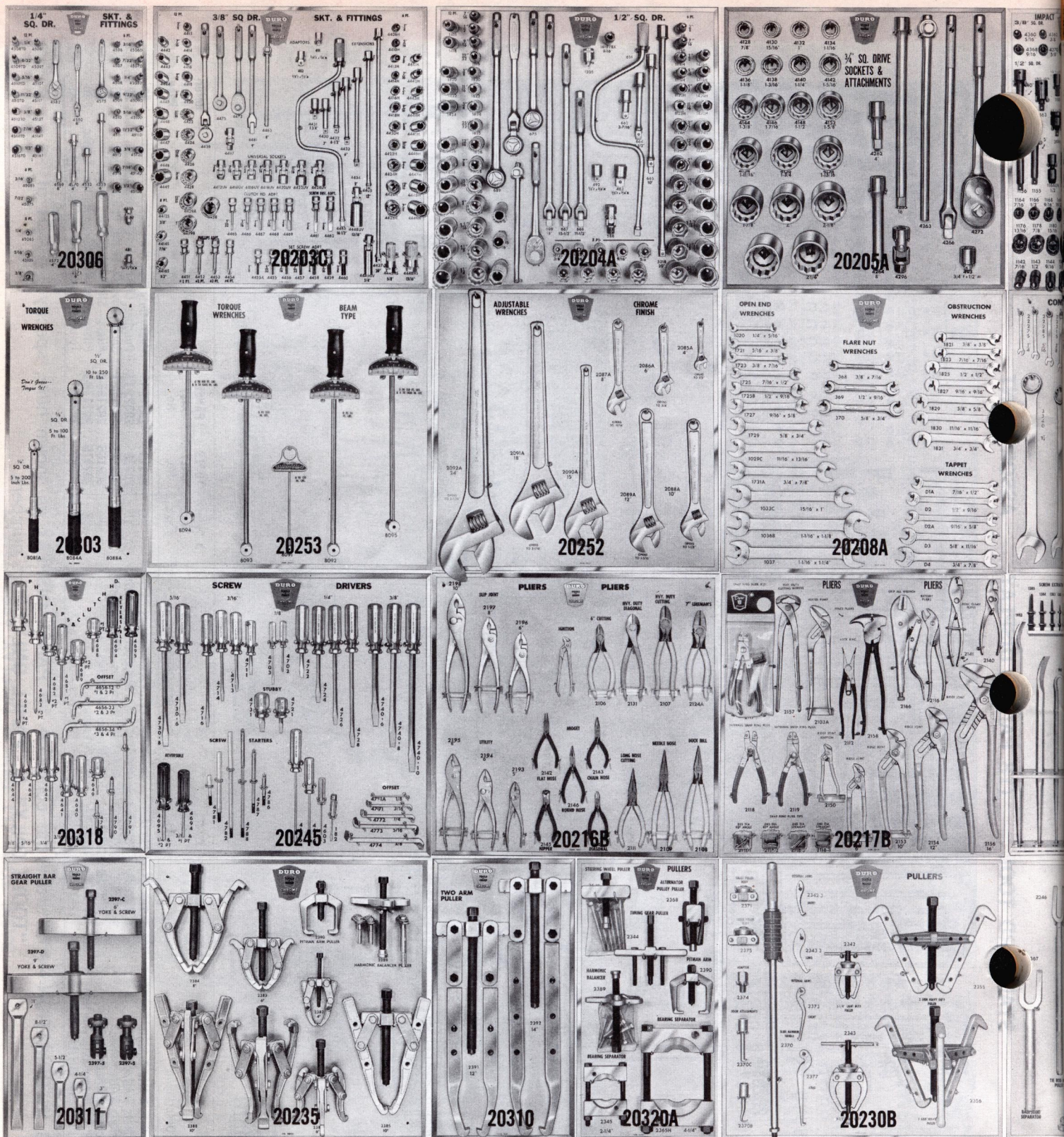
ORDERING INFORMATION — To order the complete **11 PANEL DISPLAY** as shown here, specify **1 EACH of "TOOLS ONLY" & "PANEL ONLY"** part numbers.

STANDARD TOOL (18 PANEL DISPLAY ASSORTMENT



TOOLS ONLY No.	PANEL ONLY No.	Description	Reference Page	TOOLS ONLY No.	PANEL ONLY No.	Description	Reference Page
20306	20306-1	1/4" Dr. Sockets & Attachments	76	20324	20324-1	Ball Pein & Soft Face Hammers	88
20303C	20303C-1	3/8" Dr. Sockets & Attachments	77	20323	20323-1	Open End, Flare Nut, Obst. Tappet Wr.	81
20317	20317-1	1/2" Dr. Sockets & Attachments	78	20323A	20323A-1	Adjustable Wrenches—Chrome Finish	83
20305A	20305A-1	3/4" Dr. Sockets & Attachments	78	20323B	20323B-1	Combination Wrenches	82
20302C	20302C-1	3/8" & 1/2" Dr. Impact Skts. & Attach.	88	20323C	20323C-1	Box Wrenches	82
20249	20249-1	1/4", 3/8", 1/2" Dr. Metric Sockets	79	20323D	20323D-1	Metric Wrenches—Open End & Comb.	79
				20323E	20323E-1	Heavy Duty Pipe Wrenches	83
						Punches, Chisels, Screw Extractors	87
						Screw Drivers—Sl. Hd., Phil. & Clutch	85
						Pliers—Slip Joint, Cutting, Midget	86
						Pliers—Lock Ring, Ridge Jt., Ign., & Misc.	86
						Torque Wrenches—Round Beam Type	81

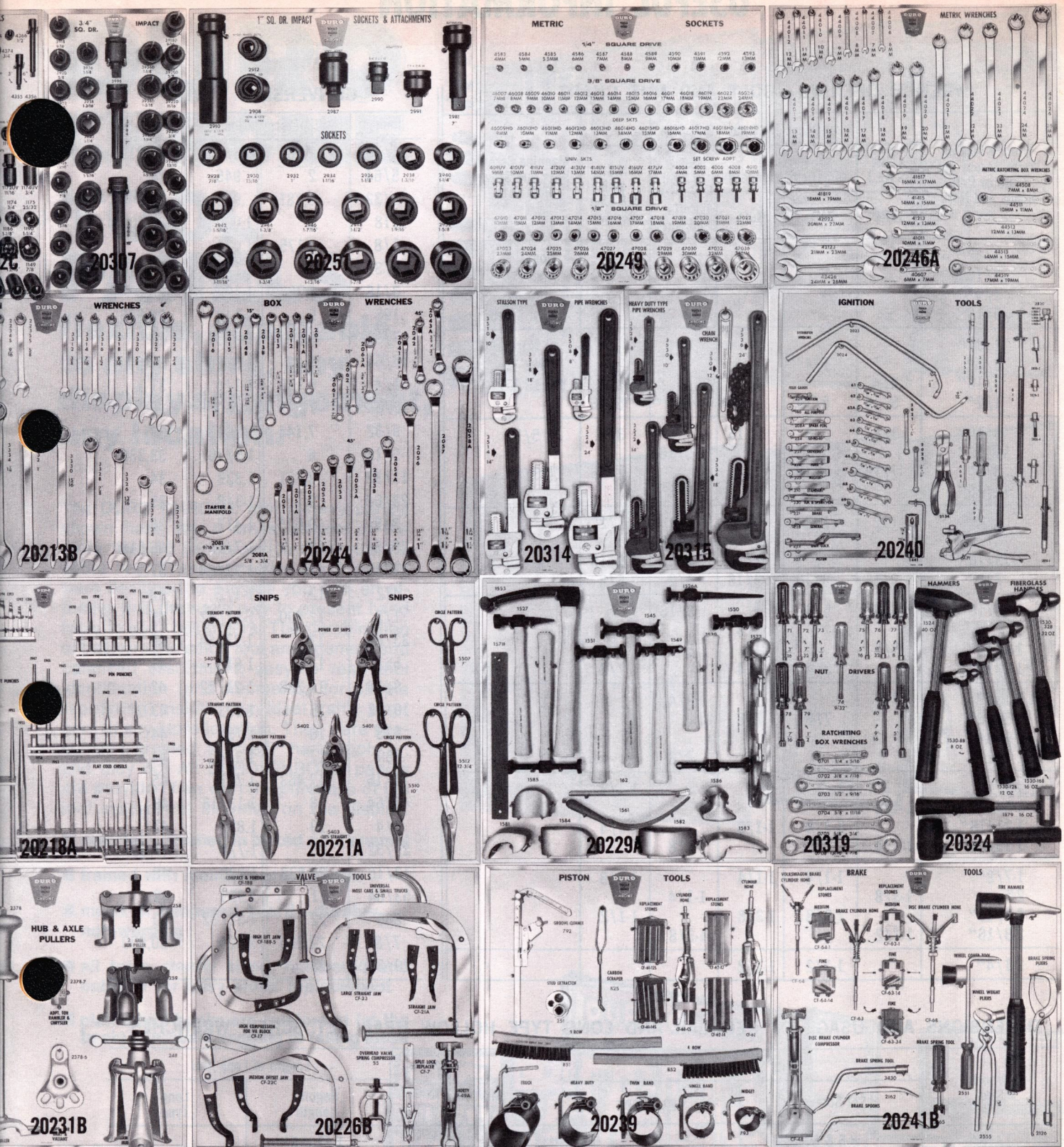
ORDERING INFORMATION — To order the complete 18 PANEL DISPLAY as shown here, specify 1 EACH of "TOOLS ONLY" & "PANEL ONLY" part numbers.



TOOLS ONLY No.	PANEL ONLY No.	Description	Reference Page	TOOLS ONLY No.	PANEL ONLY No.	Description	Reference Page
20306	20306-1	1/4" Dr. Sockets & Attachments	76	20303	20303-1	Micrometer Type Torque Wrenches	81
20203C	20203C-1	3/8" Dr. Sockets & Attachments	77	20253	20253-1	Beam Torque Wrench	81
20204A	20204A-1	1/2" Dr. Sockets & Attachments	77	20252	20252-1	Adjustable Wrenches (Chrome)	83
20205A	20205A-1	3/4" Dr. Sockets & Attachments	78	20208A	20208A-1	Open End, Flare Nut, Obst., Tappet Wr.	81
20302C	20302C-1	3/8" & 1/2" Dr. Impact Sks. & Attach.	77	20213B	20213B-1	Combination Wrenches	82
20307	20307-1	3/4" Dr. Impact Sockets & Attachments	80	20244	20244-1	Box Wrenches	82
20251	20251-1	1" Dr. Impact Sockets & Attachments	80	20314	20314-1	Pipe Wrenches (Stillson)	83
20249	20249-1	Metric Sockets	79	20315	20315-1	Heavy Duty Pipe Wrenches	83
20246A	20246A-1	Metric Wrenches	79	20240	20240-1	Ignition Tools	89

ORDERING INFORMATION — To order the complete 36 PANEL DISPLAY as shown here,

DISPLAY ASSORTMENT



TOOLS ONLY No.	PANEL ONLY No.	Description	Reference Page	TOOLS ONLY No.	PANEL ONLY No.	Description	Reference Page
20318	20318-1	Screw Drivers—Phillips & Clutch Head	85	20311	20311-1	Staright Bar Gear Puller	90
20245	20245-1	Screw Drivers & Starters—Reg. Offset & Rev.	85	20235	20235-1	Gear, Harmonic Bal. & Pitman Arm Pullers	90
20216B	20216B-1	Pliers—Slip Jt., Cutting, Ign., Midget & Misc.	86	20310	20310-1	Large Gear Pullers, 12" and 14"	91
20217B	20217B-1	Pliers—Lock Rg., Gr. Jt., Water Pump & Misc.	86	20320A	20320A-1	Steer. Wh., Bear., Pitman Arm & Misc. Pullers	90
20218A	20218A-1	Punches, Chisels, Pry Bars & Screw Ext.	87	20230B	20230B-1	Slide Ham. Set, Gear Pullers	90
20221A	20221A-1	Snips—Power Types, Str't, Left, Right & Cir.	84	20231B	20231B-1	Hub & Axle Pullers	90
20229A	20229A-1	Body & Fender Tools—Ham, Dollies, Flex. File	87	20226B	20226B-1	Valve Lifters, Adaptors & Split Lock Replacer	88
20319	20319-1	Nut Drivers & Ratcheting Box Wrenches	85	20239	20239-1	Piston Tools—Comp., Hones, Wire Br., & Misc.	81
20324	20324-1	Ball Pein & Soft Face Hammers	88	20241B	20241B-1	Brake, Battery, Hones, Pliers & Misc. Tools	90

specify 1 EACH of "TOOLS ONLY" & PANEL ONLY" part numbers.

USEFUL INFORMATION

WRENCH OPENING—BOLT AND NUT CHART

Wrench Size or Width Across the Flats of Bolt Heads and Nuts	American National—Bolt Size				N.C. and N.F. Cap Screws	Machine Screw Nuts and Stove Bolt Nuts
	Light (S.A.E.)	Regular (American Standard)		Heavy (U.S.S.)		
	Nuts	Bolts	Nuts	Bolts and Nuts		
5/32" 3/16" 1/4" 5/16"						Nos. 0 & 1 Nos. 2 & 3 No. 4 Nos. 5 & 6
11/32" 3/8" 7/16" 1/2"	1/4 5/16	1/4 5/16	1/4	1/4	1/4 5/16	No. 8 No. 10 No. 12 & 1/4
9/16" 19/32" 5/8" 11/16"	3/8 7/16	3/8 7/16	5/16 3/8	5/16 3/8	3/8 7/16	5/16 3/8
3/4" 25/32" 13/16" 7/8"	1/2 9/16	1/2 9/16	7/16 1/2 9/16	7/16 1/2	1/2 9/16 5/8	
15/16" 1" 1-1/16" 1-1/8"	5/8 3/4	5/8 3/4	5/8 3/4	9/16 5/8	3/4 7/8	
1-1/4" 1-5/16" 1-3/8" 1-7/16"	7/8 1	7/8	7/8	3/4 7/8	1	
1-1/2" 1-5/8" 1-11/16" 1-13/16"	1-1/8 1-1/4	1 1-1/8	1 1-1/8	1 1-1/8	1-1/8 1-1/4	
1-7/8" 2" 2-1/16" 2-3/16"	1-3/8 1-1/2	1-1/4 1-3/8	1-1/4 1-3/8	1-1/4 1-3/8	1-3/8 1-1/2	
2-1/4"		1-1/2	1-1/2			

CONVERSION TABLE

Inches	Millimeters	Inches	Millimeters
1/16	1,588	15/16	23,813
5/64	2	.945	24
3/32	2,381	.984	25
.118	3	1.000	25,400
1/8	3,175	1.024	26
5/32	4	1-1/16	27
3/16	4,763	1.102	28
.196	5	1-1/8	28,575
7/32	5,5	1-9/64	29
15/64	6	1-3/16	30
1/4	6,350	1-1/4	31
.276	7	1.260	32
9/32	7,144	1.299	33
5/16	8	1-5/16	33,338
11/32	8,731	1.339	34
23/64	9	1-3/8	35
3/8	9,525	1.417	36
25/64	10	1-7/16	36,516
7/16	11	1-29/64	37
.472	12	1-1/2	38
1/2	12,700	1-17/32	39
33/64	13	1-37/64	40
.551	14	1.614	41
9/16	14,288	1-21/32	42
19/32	15	1.693	43
5/8	16	1.732	44
.669	17	1-3/4	44,450
11/16	17,463	1.771	45
45/64	18	1-13/16	46
3/4	19	1.850	47
25/32	20	1-7/8	47,625
13/16	20,638	1.890	48
53/64	21	1.929	49
.866	22	1-31/32	50
7/8	22,225	2.000	50,800
29/32	23		

DIMENSIONS AND USAGE OF REGULAR AND LONG TYPE HOLLOW HEAD SET SCREW WRENCHES

Wrench Size	Fits Screw Sizes		Length of Short Arm	Length of Long Arm	
	Set Screws	Cap Screws		Regular Length	Long Type
1/16"	# 5 & 6		21/32"	1-11/16"	
5/64"	# 8		21/32"	1-7/8"	3"
3/32"	# 10 & 12		21/32"	2"	3-3/8"
7/64"	# 8	# 6	11/16"	2-1/8"	3-1/2"
1/8"	1/4"	# 8	3/4"	2-1/4"	3-3/4"
9/64"		# 8	13/16"	2-3/8"	4"
5/32"	5/16"	# 10 & 12	27/32"	2-1/2"	4-1/8"
3/16"	3/8"	1/4"	15/16"	2-3/4"	4-1/2"
7/32"	7/16"	5/16"	1-1/32"	3"	4-7/8"
1/4"	1/2-9/16"		1-1/8"	3-1/4"	5-1/4"
5/16"	5/8"	3/8"-7/16"	1-1/4"	3-3/4"	6"
3/8"	3/4"	1/2"-9/16"	1-3/8"	4-1/4"	6-3/4"

DURO CHROME

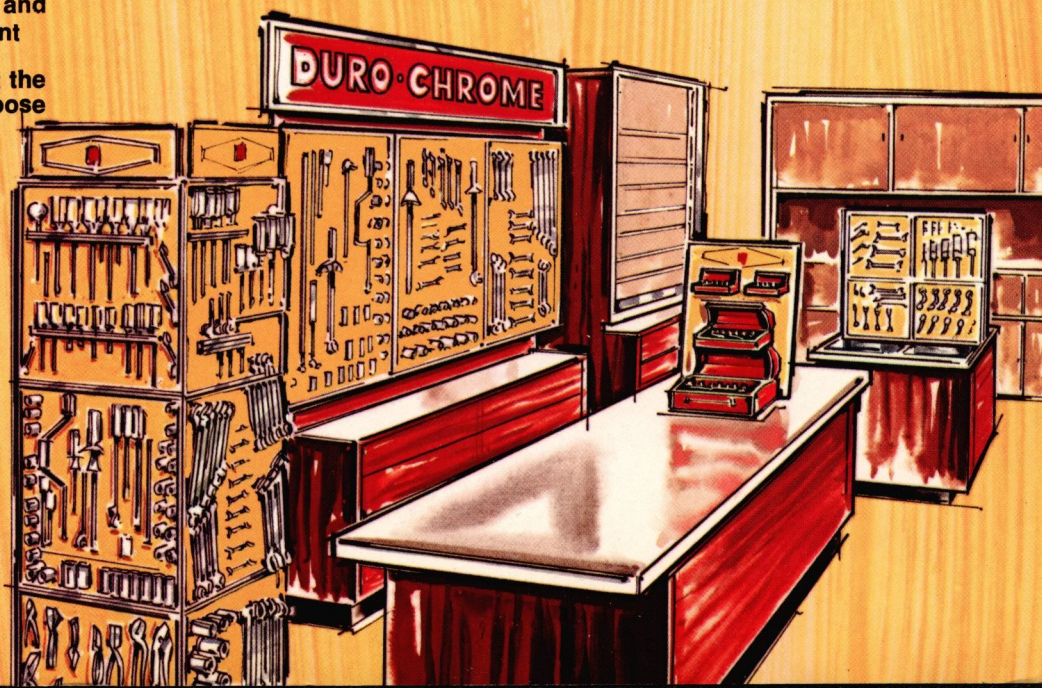
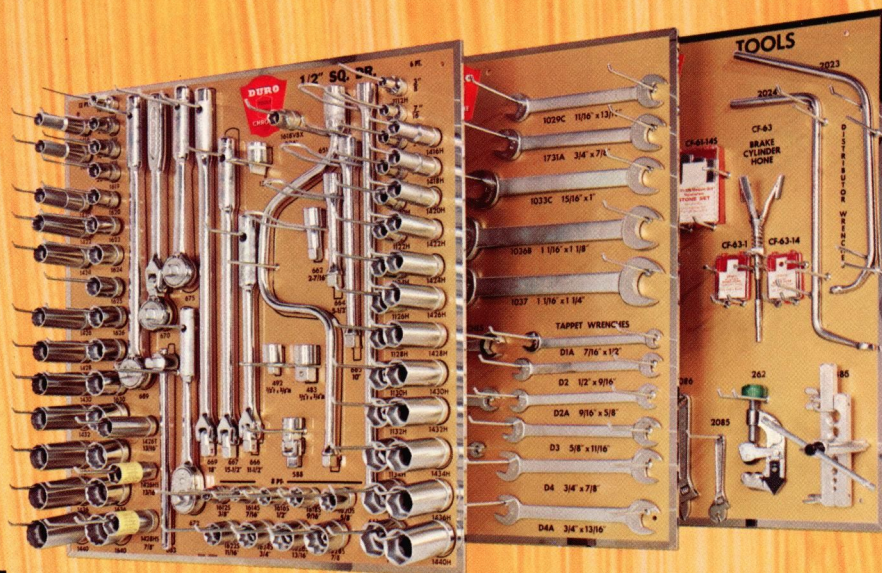
TOOL PANELS

**flexible, adaptable
to any store, any
display arrangement,
any location.**

The DURO CHROME tool display panels shown here, are a cross section of the more than 56 panels which make up the entire line. These attractive 2' x 2' panels were designed to provide you with an effective and dramatic way to present hand tools to your customers. The combination of background color, tool arrangement and balanced assortment, easy to read tool identification (and numbering for simple reordering) makes them ideal traffic stoppers in any store location. They were specifically created to "sell" hand tools... and they do! All DURO CHROME panels are provided free with the purchase of the tool assortment mounted on the display.

- colorfully finished in baked gold enamel
- framed with stainless steel border
- made of tempered board—durable, non-warping
- all tools clearly sized, numbered and outlined for easy stock replacement
- plated tool hooks are reinforced (at the back) to prevent sagging or falling loose

The illustration shows a composite view of suggested panel set-ups. Being completely interchangeable, they allow you to easily and conveniently expand your hand tool department, replace individual panels, change store locations, create island or gondola displays for most effective in-store merchandising.



DURO CHROME / Duro Metal Products Co., 2649 N. Kildare Ave., Chicago, Ill. 60639

